

SEARCH REQUEST FORM

52441

Requestor's
Name:

Sabha Corp

Serial

Number:

OCT-5 27733,611

Date:

10/5/01

Phone:

305-3910

Art Unit:

1616

Mail Box:

2019

Office:

3807

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Inventors: WAHEGURU SINGH et al

Priority: 12/8/2000

Please search for a method of preparing
sterilizing solution
as in cl. 1

Please see attached sheets

thank you

Point of Contact:
Jan Delaval
Librarian-Physical Sciences
CM1 1E04 Tel: 308-4498

STAFF USE ONLY

Date completed:

10/12/01

Searcher:

DM

Terminal time:

85

Elapsed time:

+10

CPU time:

Total time:

Number of Searches:

Number of Databases:

Search Site

STIC

CM-1

Pre-S

Type of Search

N.A. Sequence

A.A. Sequence

Structure

Bibliographic

Vendors

IG Suite

STN

Dialog

APS

Geninfo

SDC

DARC/Questel

Other

=> fil reg

FILE 'REGISTRY' ENTERED AT 18:15:43 ON 12 OCT 2001

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 11 OCT 2001 HIGHEST RN 361519-24-6

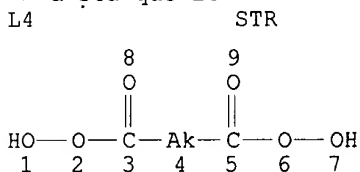
DICTIONARY FILE UPDATES: 11 OCT 2001 HIGHEST RN 361519-24-6

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=> d sta que l6



Point of Contact:
Jen
Librarian for Physical Sciences
CM1 1E01 Tel: 308-4498

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 9

STEREO ATTRIBUTES: NONE

L6 114 SEA FILE=REGISTRY CSS FUL L4

100.0% PROCESSED 3196 ITERATIONS

114 ANSWERS

SEARCH TIME: 00.00.01

=> d his

(FILE 'HOME' ENTERED AT 17:12:18 ON 12 OCT 2001)
SET COST OFF

FILE 'REGISTRY' ENTERED AT 17:12:28 ON 12 OCT 2001

E DIPERGLUTARIC ACID/CN
L1 1 S E3
E DIPERADIPIC ACID/CN
L2 1 S E3
E DIPERPIMELIC ACID/CN
E DIPERMELIC ACID/CN
E DIPERSUBERIC ACID/CN
E DIPERAZELAIC ACID/CN
L3 1 S E3
L4 STR
L5 3 S L4 CSS
L6 114 S L4 CSS FUL
SAV L6 QAZI733/A
L7 41 S L6 AND 1/NC
L8 STR L4
L9 87 S L8 FUL SUB=L6
SAV L9 QAZI733A/A
14 S L7 AND L9

L11 27 S L7 NOT L10
 L12 14 S L1-L3,L10
 SEL RN
 L13 74 S E1-E14/CRN
 L14 2 S L13 AND C5H8O6 AND (C6H10O6 OR C10H18O6)
 L15 1 S L13 AND NA/ELS
 L16 9 S L13 AND C10H18O6
 L17 8 S L16 AND PMS/CI
 L18 1 S L17 AND 1/NC
 L19 17 S L12,L14,L15,L18
 L20 97 S L6 NOT L19

FILE 'HCAPLUS' ENTERED AT 17:24:24 ON 12 OCT 2001

L21 272 S L19
 L22 72 S L20
 E SINGH W/AU
 L23 9 S E3,E8
 L24 11 S E14-E17
 E GILETTO A/AU
 L25 9 S E3,E4
 E HITCHENS G/AU
 L26 44 S E4,E5
 E LYNNTECH/PA,CS
 L27 71 S E3-E11
 L28 1 S L21,L22 AND L23-L27
 E CARBOXYLIC/CT
 L29 605 S E19 (L) PEROXY
 L30 5 S E19 (L) DIPEROXY
 L31 15 S E19 (L) DI(L) PEROXY
 L32 1 S L23-L27 AND L29-L31
 L33 1 S L28,L32
 L34 859 S L21,L22,L29-L31
 L35 2 S L34 AND DRY(L) SOLID
 E STERIL/CT
 E E19+ALL
 L36 293 S E1
 L37 5395 S E2
 E E2+ALL
 L38 1354 S E2-E4
 L39 5606 S E1+NT
 E E9+ALL
 L40 9347 S E1
 E E20+ALL
 L41 1498 S E3+NT
 L42 2796 S E10+NT
 L43 5230 S E8+NT
 E DISINFECT/CT
 E E13+ALL
 L44 290 S E1
 E DISINFECT/CT
 E E5+ALL
 L45 168925 S E5,E6,E4,E3+NT
 L46 34729 S E8+NT
 L47 119969 S E9+NT
 L48 13531 S E10+NT
 L49 15873 S E11+NT
 L50 339 S E12+NT
 E E10+ALL
 L51 15935 S E10,E11
 E FUNG/CT
 E E134+ALL
 L52 38382 S E9
 L53 15873 S E8+NT
 E E40+ALL
 L54 339 S E5
 L55 112 S L34 AND L36-L54

E STERIL/CT
E E10+ALL
E PEROXY/CT
E E4+ALL
L56 641 S E8,E9,E10,E7
L57 1411 S L34,L56
L58 161 S L57 AND L36-L54
L59 161 S L55,L58
L60 93 S L59 AND (H2O2 OR HYDROGEN PEROXIDE)

FILE 'REGISTRY' ENTERED AT 17:35:39 ON 12 OCT 2001

L61 1 S 7722-84-1
L62 1 S WATER/CN

FILE 'HCAPLUS' ENTERED AT 17:35:47 ON 12 OCT 2001

L63 81 S L61 AND L59
L64 95 S L60,L63
L65 66 S L59 NOT L64
L66 3 S L65 AND DRY
L67 17 S L65 AND (L61 OR H2O OR WATER OR W)
L68 12 S L67 AND (INDUSTRIAL OR QUATERNARY OR MOLD OR ACTIVATOR OR TEX
L69 5 S L67 NOT L68
L70 331 S L21,L22
L71 40 S L70 AND L59
L72 14 S L71 NOT (H2O2 OR HYDROGEN PEROXIDE OR L61)
L73 14 S L72 AND L64,L65
L74 17 S L69,L73
L75 5 S L70 AND STERIL?
L76 1 S L75 NOT (H2O2 OR HYDROGEN PEROXIDE)
L77 35 S L70 AND (DISINFECT? OR DECONTAMINAT?)
L78 15 S L77 NOT (L61 OR H2O2 OR HYDROGEN PEROXIDE)
L79 1 S L78 AND VIRUS
L80 43 S L19/P OR L20/P
L81 8 S L80 NOT (H2O2 OR HYDROGEN PEROXIDE OR L61)
L82 1 S L81 AND DRYING
L83 19 S L33,L74,L79,L82
L84 19 S L83 AND L21-L60,L63-L82
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 18:15:17 ON 12 OCT 2001

L85 15 S E1-E15

FILE 'REGISTRY' ENTERED AT 18:15:43 ON 12 OCT 2001

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L85 ANSWER 1 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 167770-77-6 REGISTRY

CN Decanediperoxoic acid, mixt. with pentanediperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pentanediperoxoic acid, mixt. contg. (9CI)

MF C10 H18 O6 . C5 H8 O6

CI MXS

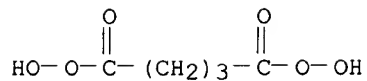
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

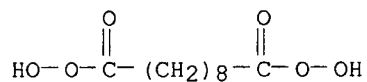
CRN 28317-46-6

CMF C5 H8 O6



CM 2

CRN 5796-85-0
CMF C10 H18 O6



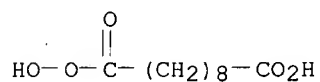
1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:197184

L85 ANSWER 2 OF 15 REGISTRY COPYRIGHT 2001 ACS
RN 167770-76-5 REGISTRY
CN Pentanediperoxoic acid, mixt. with 9-carboxynonaneperoxoic acid (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Nonaneperoxoic acid, 9-carboxy-, mixt. contg. (9CI)
MF C10 H18 O5 . C5 H8 O6
CI MXS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

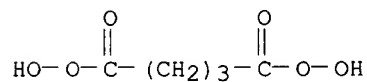
CM 1

CRN 93691-93-1
CMF C10 H18 O5



CM 2

CRN 28317-46-6
CMF C5 H8 O6



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:197184

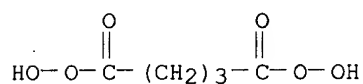
L85 ANSWER 3 OF 15 REGISTRY COPYRIGHT 2001 ACS
RN 167770-75-4 REGISTRY
CN Hexanediperoxoic acid, mixt. with pentanediperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pentanediperoxoic acid, mixt. contg. (9CI)
MF C6 H10 O6 . C5 H8 O6
CI MXS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

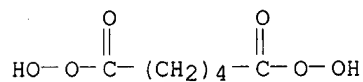
CM 1

CRN 28317-46-6
CMF C5 H8 O6



CM 2

CRN 5824-51-1
CMF C6 H10 O6



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:197184

L85 ANSWER 4 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 167770-74-3 REGISTRY

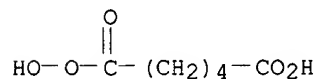
CN Pentanediperoxoic acid, mixt. with 5-carboxypentanediperoxoic acid (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pentanediperoxoic acid, 5-carboxy-, mixt. contg. (9CI)
MF C6 H10 O5 . C5 H8 O6
CI MXS
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

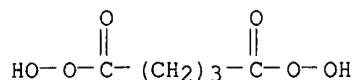
CM 1

CRN 77155-29-4
CMF C6 H10 O5



CM 2

CRN 28317-46-6
CMF C5 H8 O6



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:197184

L85 ANSWER 5 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 167770-73-2 REGISTRY

CN Pentanediperoxoic acid, mixt. with decaneperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Decaneperoxoic acid, mixt. contg. (9CI)

MF C10 H20 O3 . C5 H8 O6

CI MXS

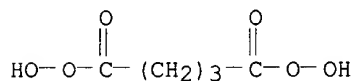
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 28317-46-6

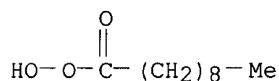
CMF C5 H8 O6



CM 2

CRN 14156-10-6

CMF C10 H20 O3



1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:197184

L85 ANSWER 6 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 159835-08-2 REGISTRY

CN Pentanediperoxoic acid, mixt. with octaneperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Octaneperoxoic acid, mixt. contg. (9CI)

MF C8 H16 O3 . C5 H8 O6

CI MXS

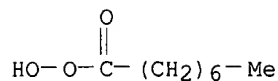
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 33734-57-5

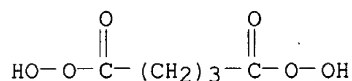
CMF C8 H16 O3



CM 2

CRN 28317-46-6

CMF C5 H8 O6



2 REFERENCES IN FILE CA (1967 TO DATE)

2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 123:197184

REFERENCE 2: 122:30236

L85 ANSWER 7 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 141178-65-6 REGISTRY

CN Dodecanediperoxoic acid, mixt. with N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycine] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, mixt. contg. (9CI)

MF C12 H22 O6 . C10 H16 N2 O8

CI MXS

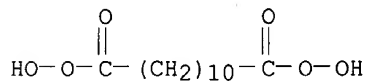
SR CA

LC STN Files: CA, CAPLUS, TOXLIT

CM 1

CRN 66280-55-5

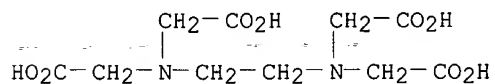
CMF C12 H22 O6



CM 2

CRN 60-00-4

CMF C10 H16 N2 O8



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 116:221658

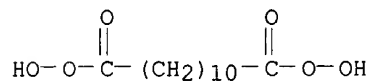
L85 ANSWER 8 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 141178-64-5 REGISTRY

CN Dodecanediperoxoic acid, mixt. with N,N-bis(carboxymethyl)glycine (9CI)
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Glycine, N,N-bis(carboxymethyl)-, mixt. contg. (9CI)
 MF C12 H22 O6 . C6 H9 N O6
 CI MXS
 SR CA
 LC STN Files: CA, CAPLUS, TOXLIT

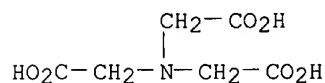
CM 1

CRN 66280-55-5
 CMF C12 H22 O6



CM 2

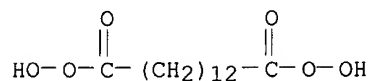
CRN 139-13-9
 CMF C6 H9 N O6



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 116:221658

L85 ANSWER 9 OF 15 REGISTRY COPYRIGHT 2001 ACS
 RN **68487-26-3** REGISTRY
 CN Tetradecanediperoxoic acid (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Diperoxytetradecanedioic acid
 FS 3D CONCORD
 MF C14 H26 O6
 LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, RTECS*, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)



12 REFERENCES IN FILE CA (1967 TO DATE)
 12 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 130:254092

REFERENCE 2: 129:99807

REFERENCE 3: 115:11314

REFERENCE 4: 113:236991

REFERENCE 5: 112:181925

REFERENCE 6: 109:151996
 REFERENCE 7: 107:35126
 REFERENCE 8: 106:86742
 REFERENCE 9: 105:81261
 REFERENCE 10: 90:71762

L85 ANSWER 10 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN **66280-55-5** REGISTRY

CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Peroxydodecanedioic acid (6CI)

OTHER NAMES:

CN 1,12-Diperoxydodecanedioic acid

CN Diperlauric acid

CN Diperoxydodecanedioic acid

FS 3D CONCORD

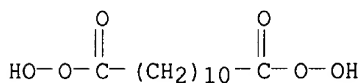
MF C12 H22 O6

CI COM

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMLIST, IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PROMT, TOXLINE, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



149 REFERENCES IN FILE CA (1967 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

149 REFERENCES IN FILE CAPLUS (1967 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:93025
 REFERENCE 2: 134:149334
 REFERENCE 3: 132:24157
 REFERENCE 4: 131:296507
 REFERENCE 5: 130:254092
 REFERENCE 6: 130:143594
 REFERENCE 7: 130:111861
 REFERENCE 8: 130:53987
 REFERENCE 9: 130:53972
 REFERENCE 10: 129:246906

L85 ANSWER 11 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN **28317-46-6** REGISTRY

CN Pentanediperoxoic acid (9CI) (CA INDEX NAME)

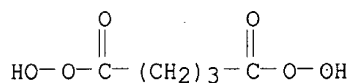
OTHER CA INDEX NAMES:

CN Peroxyglutaric acid (6CI)

OTHER NAMES:

CN Diperglutaric acid

CN Diperoxyglutaric acid
 CN Perglutaric acid
 FS 3D CONCORD
 MF C5 H8 O6
 CI COM
 LC STN Files: ,BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, IFICDB,
 IFIPAT, IFIUDB, PROMT, TOXLIT, USPATFULL
 (*File contains numerically searchable property data)



39 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 40 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:127208

REFERENCE 2: 135:97456

REFERENCE 3: 135:82069

REFERENCE 4: 135:82067

REFERENCE 5: 135:78599

REFERENCE 6: 132:54609

REFERENCE 7: 131:113544

REFERENCE 8: 129:272857

REFERENCE 9: 129:159063

REFERENCE 10: 129:149936

L85 ANSWER 12 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 7722-84-1 REGISTRY

CN Hydrogen peroxide (H2O2) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Hydrogen peroxide (8CI)

OTHER NAMES:

CN Albone

CN Albone 35

CN Albone DS

CN Baquashock

CN CIX

CN Hipox

CN Hybrite

CN Hydrogen dioxide

CN Inhibine

CN Metrokur

CN Odosat D

CN Oxydol

CN Oxyfull

CN Oxysept I

CN Perhydrol

CN Perone

CN Peroxaan

CN Peroxclean

CN Select Bleach

CN Superoxol

CN T-Stuff
FS 3D CONCORD
DR 8007-30-5, 66554-50-5, 37355-84-3, 218625-72-0
MF H2 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM*,
DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, TOXLINE, TOXLIT,
TRCTHERMO*, TULSA, ULIDAT, USAN, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

HO-OH

59072 REFERENCES IN FILE CA (1967 TO DATE)
569 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
59142 REFERENCES IN FILE CAPLUS (1967 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:250952
REFERENCE 2: 135:250930
REFERENCE 3: 135:250789
REFERENCE 4: 135:250461
REFERENCE 5: 135:250428
REFERENCE 6: 135:250367
REFERENCE 7: 135:250315
REFERENCE 8: 135:249772
REFERENCE 9: 135:249400
REFERENCE 10: 135:249315

L85 ANSWER 13 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 5824-51-1 REGISTRY

CN Hexanediperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Peroxyadipic acid (6CI, 7CI, 8CI)

OTHER NAMES:

CN Adipic diperoxyacid

CN Diperadipic acid

CN Diperoxyadipic acid

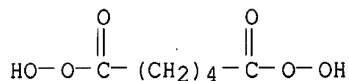
CN Peradipic acid

FS 3D CONCORD

MF C6 H10 O6

CI COM

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, IFICDB, IFIPAT,
IFIUDB, TOXLIT, USPATFULL
(*File contains numerically searchable property data)



49 REFERENCES IN FILE CA (1967 TO DATE)
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 49 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:82069
 REFERENCE 2: 135:82067
 REFERENCE 3: 135:78599
 REFERENCE 4: 133:79452
 REFERENCE 5: 133:3966
 REFERENCE 6: 132:156320
 REFERENCE 7: 130:268876
 REFERENCE 8: 130:256816
 REFERENCE 9: 130:143594
 REFERENCE 10: 130:130068

L85 ANSWER 14 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 2279-96-1 REGISTRY

CN Butanediperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Peroxysuccinic acid (6CI, 7CI, 8CI)

OTHER NAMES:

CN Diperoxysuccinic acid

CN Perform

CN Persuccinic acid

CN Succinic diperoxyacid

FS 3D CONCORD

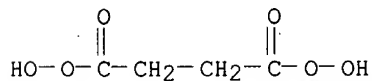
MF C4 H6 O6

LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMLIST, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, PIRA, TOXLIT, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)



37 REFERENCES IN FILE CA (1967 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 38 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:124156
 REFERENCE 2: 135:82069
 REFERENCE 3: 135:82067

REFERENCE 4: 135:78599
 REFERENCE 5: 129:159063
 REFERENCE 6: 129:148687
 REFERENCE 7: 128:140518
 REFERENCE 8: 127:345567
 REFERENCE 9: 127:318364
 REFERENCE 10: 127:62043

L85 ANSWER 15 OF 15 REGISTRY COPYRIGHT 2001 ACS

RN 1941-79-3 REGISTRY

CN Nonanediperoxoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Peroxyazelaic acid (6CI, 7CI, 8CI)

OTHER NAMES:

CN Azelaic diperacid

CN Diperazelaic acid

CN Diperoxyazelaic acid

FS 3D CONCORD

MF C9 H16 O6

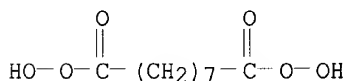
CI COM

LC STN Files: BEILSTEIN*, BIOBUSINESS, CA, CAOLD, CAPLUS, CHEMLIST, IFICDB,
 IFIPAT, IFIUDB, TOXLIT, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



52 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

52 REFERENCES IN FILE CAPLUS (1967 TO DATE)

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 134:149334
 REFERENCE 2: 130:256816
 REFERENCE 3: 130:254092
 REFERENCE 4: 130:143594
 REFERENCE 5: 130:130068
~~REFERENCE 6: 129:246906~~
 REFERENCE 7: 128:140518
 REFERENCE 8: 127:105399
 REFERENCE 9: 122:153447
 REFERENCE 10: 122:34037

=> fil hcaplus

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 FILE LAST UPDATED: 11 Oct 2001 (20011011/ED)

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

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L84 ANSWER 1 OF 19 HCAPLUS COPYRIGHT 2001 ACS
 AN 2001:545466 HCAPLUS
 DN 135:127208
 TI Control of microbial populations in the gastrointestinal tract of animals
 IN McKenzie, K. Scott; **Giletto, Anthony; Hitchens, G. Duncan**; Hargis, Billy M.; Herron, Kelly L.
 PA **Lynntech, Inc., USA**
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM A61K031-00
 ICS A01N037-16; A01N059-00
 CC 63-6 (Pharmaceuticals)
 Section cross-reference(s): 18
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001052827	A1	20010726	WO 2000-US8316	20000329

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 2000-487966 A 20000118

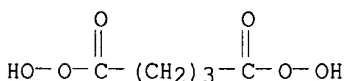
OS MARPAT 135:127208

AB Biocides for ingestion by live animals contain an aq. soln. of a peracid compd. or a mixt. of an org. acid and an inorg. peroxide and methods for controlling microbial contamination in the gastrointestinal tract of live animals. Peroxy compds. such as peracetic acid, perlactic acid, or percitric acid were added to drinking water for broiler chickens and the biocidal activity evaluated.

ST peracid drinking water animal antimicrobial

IT **Antimicrobial agents**

- Campylobacter
Digestive tract
Drinking waters
Escherichia coli
Helicobacter
Listeria
Poultry
Salmonella
(control of microbial populations in the gastrointestinal tract of animals)
- IT **Peroxy acids**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(control of microbial populations in the gastrointestinal tract of animals)
- IT Drug delivery systems
(oral; control of microbial populations in the gastrointestinal tract of animals)
- IT **Carboxylic acids, biological studies**
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(**peroxy**; control of microbial populations in the gastrointestinal tract of animals)
- IT 75-91-2, tert-Butyl hydroperoxide 79-21-0, Peracetic acid 93-59-4D, Perbenzoic acid, derivs. 94-36-0, Benzoyl peroxide, biological studies 107-32-4, Performic acid 123-23-9, Succinyl peroxide 818-85-9, Heptaneperoxoic acid 2388-12-7, Perlauric acid 3058-35-3, Pernonanoic acid 3851-97-6, Monoperglutaric acid 4212-43-5, Perpropionic acid 13122-71-9, Perbutyric acid 21860-08-2, Perglycolic acid 28317-46-6, Diperglutaric acid 33734-57-5, Peroctanoic acid 75033-25-9, Perlactic acid 115900-27-1, Magnesium peroxyphthalate 127542-88-5
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(control of microbial populations in the gastrointestinal tract of animals)
- IT 50-21-5, Lactic acid, biological studies 64-19-7, Acetic acid, biological studies 77-92-9, Citric acid, biological studies 7664-93-9, Sulfuric acid, biological studies 7722-84-1, **Hydrogen peroxide**, biological studies
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(control of microbial populations in the gastrointestinal tract of animals)
- RE.CNT 4
RE
(1) Aquaclear International Limited; WO 9108981 A 1991 HCAPLUS
(2) Interlox Chemicals Limited; EP 0233731 A 1987 HCAPLUS
(3) Jean-Paul, H; US 4726948 A 1988 HCAPLUS
(4) Semper, A; WO 9726908 A 1997 HCAPLUS
- IT **28317-46-6, Diperglutaric acid**
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(control of microbial populations in the gastrointestinal tract of animals)
- RN 28317-46-6 HCAPLUS
CN Pentanediperoxoic acid (9CI) (CA INDEX NAME)



- IT **7722-84-1, Hydrogen peroxide**, biological studies
RL: MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(control of microbial populations in the gastrointestinal tract of animals)

RN 7722-84-1 HCAPLUS
CN Hydrogen peroxide (H2O2) (9CI) (CA INDEX NAME)

HO--OH

L84 ANSWER 2 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 2001:489181 HCAPLUS

DN 135:82067

TI Peroxy acids esters with excellent surface adhesion for surface **disinfection** and cleaning.

IN Bragulla, Siegfried; Laufenberg, Alfred; Kluschanzoff, Harald

PA Henkel Ecolab G.m.b.H. + Co. o.H.G., Germany

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA German

IC ICM A01N037-16

ICS A01N025-30; C11D003-48; A01N037-16; A01N059-00; A01N037-16;
A01N037-04; A01N037-02

CC 63-8 (Pharmaceuticals)

Section cross-reference(s): 5

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001047359	A2	20010705	WO 2000-EP12689	20001214
	W: US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 19962342	A1	20010712	DE 1999-19962342	19991223
PRAI	DE 1999-19962342	A	19991223		
OS	MARPAT 135:82067				

AB The invention relates to the use of peroxy acid esters for improving surface adhesion during the **disinfection** of surfaces and to synergistic antimicrobial combinations of peroxy acid esters and addnl.

constituents, such as the corresponding alcs. and the free peroxy acids.

ST peroxy acid ester surface **disinfectant** cleanser

IT **Peroxy acids**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(esters; surface **disinfection** and cleaning agents contg.)

IT Peroxides, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(fatty alkyl, carboxy; surface **disinfection** and cleaning agents contg. peroxy acids esters and)

IT Fatty acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(peroxy; surface **disinfection** and cleaning agents contg.

peroxy acids esters and)

IT **Disinfectants**

Scouring agents

(surface **disinfection** and cleaning agents contg. peroxy acids esters and)

IT 347400-05-9, Perglutaric acid monomethyl ester 347400-06-0, Persuccinic acid monomethyl ester 347400-07-1, Peradipic acid monomethyl ester

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(surface **disinfection** and cleaning agents contg.)

IT 67-56-1, Methanol, biological studies 79-21-0, Peracetic acid

2279-96-1, Persuccinic acid 4212-43-5, Perpropionic acid

5824-51-1D, Peradipic acid, with a C1-C5 alkyl group on C2, C4 or C5; copolymer with vinylpyrrolidone **28317-46-6**, Perglutaric acid 128275-31-0

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(surface **disinfection** and cleaning agents contg. peroxy acids esters and)

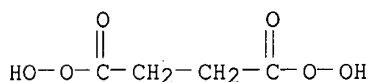
IT **2279-96-1**, Persuccinic acid **5824-51-1D**, Peradipic acid, with a C1-C5 alkyl group on C2, C4 or C5; copolymer with vinylpyrrolidone **28317-46-6**, Perglutaric acid

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(surface **disinfection** and cleaning agents contg. peroxy acids esters and)

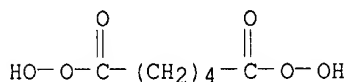
RN 2279-96-1 HCAPLUS

CN Butanediperoxoic acid (9CI) (CA INDEX NAME)



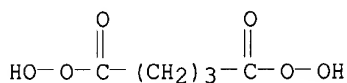
RN 5824-51-1 HCAPLUS

CN Hexanediperoxoic acid (9CI) (CA INDEX NAME)



RN 28317-46-6 HCAPLUS

CN Pentanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 3 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 2001:320044 HCAPLUS

DN 134:313479

TI Lubricant compositions having antimicrobial properties and manufacture methods for use in food processing industries

IN Lokkesmoe, Keith D.; Schilling, Joel James; Hei, Robert D. P.

PA Ecolab Inc., USA

SO PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C10M129-10

ICS C10M129-14; C10M129-32; C10M129-36; C10M129-40; C10M129-50;
C10M129-76; C10M133-04; C10M137-12; C10M125-18; C10N030-16;
C10N040-00

CC 51-8 (Fossil Fuels, Derivatives, and Related Products)
Section cross-reference(s): 17

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001030946	A1	20010503	WO 2000-US25607	20000919
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,				

LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
 ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
 CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI US 1999-427806 A 19991027

AB The lubricant compn. includes a machinery lubricant and an antimicrobially effective amt. of an antimicrobial agent. The antimicrobial agent exhibits a partition coeff. between **H2O** and the machinery lubricant of between .apprx.0.01 and .apprx.1,000, and the lubricant compn. provides at least a 2 log redn. in bacteria in **H2O** in .apprx.2 wk or at least a 2 log redn. in mold and yeast in **H2O** in .apprx.1 mo from a concn. of bacteria at 10⁵-10⁶ CFU/mL and a mold and yeast concn. of between .apprx.10⁵ and 10⁶ CFU/mL. Methods for manufg. and using a lubricant compn. are provided. The antimicrobial agent comprises .gtoreq.1 of substituted phenolics, polyhalides, interhalides, iodophores, percarboxylic acids, carboxylic acids quaternary compds. and mixts. thereof.

ST lubricant compn antimicrobial agent food machinery

IT Halides

RL: MOA (Modifier or additive use); NUU (Nonbiological use, unclassified);
 USES (Uses)

(Poly- or Inter-; lubricant compns. having antimicrobial properties and manuf. methods for use in food processing industries)

IT **Antibacterial agents**

(iodophors; lubricant compns. having antimicrobial properties and manuf. methods for use in food processing industries)

IT **Antibacterial agents**

Antimicrobial agents

Aspergillus niger

Bacteria (Eubacteria)

Candida albicans

Emulsions

Enterobacter aerogenes

Escherichia coli

Food processing

Fungicides

Lubricants

Machinery parts

Pseudomonas aeruginosa

Saccharomyces cerevisiae

Staphylococcus aureus

Yeast

(lubricant compns. having antimicrobial properties and manuf. methods for use in food processing industries)

IT Carboxylic acids, uses

Phenols, uses

Phosphonium compounds

Quaternary ammonium compounds, uses

RL: MOA (Modifier or additive use); NUU (Nonbiological use, unclassified);
 USES (Uses)

(lubricant compns. having antimicrobial properties and manuf. methods for use in food processing industries)

IT **Carboxylic acids, uses**

RL: MOA (Modifier or additive use); NUU (Nonbiological use, unclassified);
 USES (Uses)

(**peroxy**; lubricant compns. having antimicrobial properties and manuf. methods for use in food processing industries)

IT 94-13-3, Propyl paraben 99-76-3, Methyl paraben 128-37-0,
 2,6-Di-tert-butyl-4-methylphenol, uses 1948-33-0, tert-Butyl-
 hydroquinone 14900-04-0D, Triiodide, compds. 26638-03-9D,
 Hydroxyanisole, butylated

RL: MOA (Modifier or additive use); NUU (Nonbiological use, unclassified);
 USES (Uses)

(lubricant compns. having antimicrobial properties and manuf. methods

for use in food processing industries)

RE.CNT 4

RE

- (1) Exxon Research Engineering Co; EP 0735127 A 1996 HCAPLUS
- (2) Kabara, J; US 4067997 A 1978
- (3) Nibert Roger Keith; US 4062785 A 1977 HCAPLUS
- (4) Trelease, R; US 3955005 A 1976 HCAPLUS

L84 ANSWER 4 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 2001:78162 HCAPLUS

DN 134:121014

TI Peracid-forming system for surface disinfection

IN Wei, G. Jason; McSherry, David D.

PA Ecolab Inc., USA

SO PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N059-14

ICS A01N059-06; A01N059-02; A01N059-00; A01N037-46; A01N037-14;
A01N037-06; A01N037-02; A01N037-16; C11D003-395; C11D003-39;
A01N059-14; A01N037-46; A01N037-14; A01N037-06; A01N037-02;
A01N059-06; A01N037-14; A01N037-06

CC 63-8 (Pharmaceuticals)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001006856	A1	20010201	WO 2000-US20520	20000727
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6245729	B1	20010612	US 1999-361843	19990727
	US 2001000251	A1	20010412	US 2000-735954	20001213
PRAI	US 1999-361843	A	19990727		
AB	<p>A system for forming and releasing an aq. peracid soln. is disclosed. The system includes a container and a peracid-forming compn. provided within the container. The container is permeable to the passage of water and aq. peracid soln. The peracid-forming compn. includes a peracid precursor, such as a carboxylic acid anhydride, and a peroxygen source. Preferably, the peracid forming compn. includes a chem. heater capable of releasing heat upon hydration. When placed in water, water enters the container and interacts with the peracid forming compn. provided within the container. The water combines with the peracid precursor and peroxygen source to provide an aq. peracid compn. The presence of a chem. heater within the container provides for the generation of heat within the container which enhances the rate of peracid formation. The peracid soln. leaves the container and forms a sanitizer. A compn. for forming and releasing an aq. peracid soln. is disclosed. The compn. can include a mixt. of peracid-forming components or a composite structure contg. peracid forming components adhered together. Methods of sanitizing a surface having a population of microorganisms are provided, and methods for manufg. are provided.</p>				
ST	peracid forming system surface disinfectant				
IT	Disinfectants				
	(disinfectant peracid-forming system contg.)				
IT	Anhydrides				
	Peroxy acids				
RL:	BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(disinfectant peracid-forming system contg.)				

IT 108-30-5, Succinic anhydride, biological studies 108-31-6, Maleic anhydride, biological studies 108-55-4, Glutaric anhydride 7632-04-4, Sodium perborate
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(disinfectant peracid-forming system contg.)

RE.CNT 5

RE

- (1) Bp Chem Int Ltd; GB 2249104 A 1992 HCAPLUS
- (2) Croud Vincent Brian; WO 9418297 A 1994 HCAPLUS
- (3) Henkel Kgaa; WO 9426862 A 1994 HCAPLUS
- (4) Roesler, R; US 5462692 A 1995 HCAPLUS
- (5) Schuelke & Mayr GmbH; GB 1571357 A 1980 HCAPLUS

L84 ANSWER 5 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1999:26332 HCAPLUS

DN 130:53987

TI Peracid-based composition for cleaning, **disinfection**, and **decontamination** of surfaces contaminated by toxic agents

IN Leuthy, Michel

PA Quadrimex S. A., Fr.

SO Fr. Demande, 18 pp.

CODEN: FRXXBL

DT Patent

LA French

IC ICM C11D003-39

ICS C11D001-835

CC 46-6 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2761080	A1	19980925	FR 1997-3479	19970321
OS	MARPAT 130:53987				
AB	Title compns., which are effective against toxic organophosphorus and organosulfur compds., contain org. peracids, quaternary ammonium surfactants, and nonionic surfactants.				
ST	disinfectant detergent peracid surface; nonionic surfactant disinfectant detergent surface; quaternary ammonium surfactant disinfectant detergent surface				
IT	Disinfectants (detergent; peracid-based compn. for cleaning, disinfection , and decontamination of surfaces contaminated by toxic agents)				
IT	Detergents (disinfectant ; peracid-based compn. for cleaning, disinfection , and decontamination of surfaces contaminated by toxic agents)				
IT	Polyoxyalkylenes, uses RL: TEM (Technical or engineered material use); USES (Uses) (esters; peracid-based compn. for cleaning, disinfection , and decontamination of surfaces contaminated by toxic agents)				
IT	Nonionic surfactants (peracid-based compn. for cleaning, disinfection , and decontamination of surfaces contaminated by toxic agents)				
IT	Alkylphenols Ethoxylated fatty acids Fatty acid esters Polyoxyalkylenes, uses Quaternary ammonium compounds, uses Thiols (organic), uses RL: TEM (Technical or engineered material use); USES (Uses) (peracid-based compn. for cleaning, disinfection , and decontamination of surfaces contaminated by toxic agents)				
IT	Carboxylic acids, uses RL: TEM (Technical or engineered material use); USES (Uses) (peroxy , org.; peracid-based compn. for cleaning, disinfection , and decontamination of surfaces)				

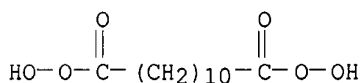
contaminated by toxic agents)

IT 57-09-0, Cetyltrimethylammonium bromide 79-21-0, Peracetic acid
 112-02-7, Cetyltrimethylammonium chloride 122-18-9,
 Benzylcetyldimethylammonium chloride 2388-12-7, Perdodecanoic acid
 3529-04-2, Cetylbenzyltrimethylammonium bromide 4212-43-5, Perpropionic
 acid 5880-39-7 14156-10-6, Perdecanoic acid 15630-89-4, Sodium
 percarbonate 19816-73-0, Pertetradecanoic acid 24625-03-4,
 Cetyldimethyl-2-hydroxyethylammonium chloride 25322-68-3, Polyethylene
 glycol 36411-33-3 62634-16-6, Cetyl-1,4-diazabicyclo[2.2.2]octylammoni
 um bromide **66280-55-5**, Dodecanediperoxoic acid 78948-87-5,
 Magnesium monoperoxyphthalate
 RL: TEM (Technical or engineered material use); USES (Uses)
 (peracid-based compn. for cleaning, **disinfection**, and
decontamination of surfaces contaminated by toxic agents)

IT **66280-55-5**, Dodecanediperoxoic acid
 RL: TEM (Technical or engineered material use); USES (Uses)
 (peracid-based compn. for cleaning, **disinfection**, and
decontamination of surfaces contaminated by toxic agents)

RN 66280-55-5 HCAPLUS

CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 6 OF 19 HCAPLUS COPYRIGHT 2001 ACS
 AN 1995:822989 HCAPLUS
 DN 123:202988
 TI Use of peroxy acid or precursor in process for wet cleaning of
textiles
 IN Lemaire, Petrus Joseph
 PA Stichting Instituut Voor Reinigingstechnieken TNO, Neth.
 SO PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM C11D011-00
 CC 46-5 (Surface Active Agents and Detergents)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9504128	A1	19950209	WO 1994-NL177	19940729
	W: AU, BR, CA, FI, JP, NO, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	NL 9301339	A	19950216	NL 1993-1339	19930730
	AU 9476251	A1	19950228	AU 1994-76251	19940729
	EP 711337	A1	19960515	EP 1994-926403	19940729
	R: BE, DE, FR, GB, NL				
PRAI	NL 1993-1339		19930730		
	WO 1994-NL177		19940729		

OS MARPAT 123:202988

AB Textiles are cleaned (esp. in industrial laundering using a washing tube)
 by using soaking, .gtoreq.1 sudsing, rinsing, bleaching, and
 neutralization steps and including in a second sudsing step or in the
 rinsing step a peroxy acid having .gtoreq.6 C atoms (e.g.,
 diperoxydodecanedioic acid) or a compd. converted in situ into such a
 peroxy acid. The process gives good washing and **disinfecting**
 efficiency and minimizes **water** and energy use.

ST bleaching peroxy acid industrial laundering; **disinfecting** peroxy
 acid industrial laundering; diperoxydodecanedioic acid bleaching
 industrial laundering

IT Laundering
 (industrial; peroxy acids for bleaching and **disinfecting**)

textiles in)

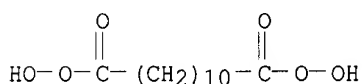
IT **Bactericides, Disinfectants, and Antiseptics**
 Bleaching agents
 (peroxy acids; for bleaching and **disinfecting** textiles in industrial laundering)

IT **66280-55-5, Diperoxydodecanedioic acid**
 RL: NUU (Nonbiological use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (for bleaching and **disinfecting** textiles in industrial laundering)

IT **66280-55-5, Diperoxydodecanedioic acid**
 RL: NUU (Nonbiological use, unclassified); TEM (Technical or engineered material use); USES (Uses)
 (for bleaching and **disinfecting** textiles in industrial laundering)

RN 66280-55-5 HCAPLUS

CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 7 OF 19 HCAPLUS COPYRIGHT 2001 ACS
 AN 1995:772970 HCAPLUS
 DN 123:197184
 TI Synergistic peroxy acid antimicrobial compositions.
 IN Oakes, Thomas R.; Boufford, Thomas G.
 PA Ecolab Inc., USA
 SO U.S., 13 pp. Cont.-in-part of U.S. 5, 200, 189.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM A01N037-02
 NCL 424405000
 CC 17-4 (Food and Feed Chemistry)
 Section cross-reference(s): 63

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5437868	A	19950801	US 1993-47264	19930412
	US 5200189	A	19930406	US 1991-734580	19910723
	ZA 20202751	A	19921230	ZA 1992-2751	19920415
	CA 2108177	AA	19930124	CA 1992-2108177	19920529
	CN 1068705	A	19930210	CN 1992-103834	19920529
	CN 1050734	B	20000329		
	AT 161142	E	19980115	AT 1992-913905	19920529
	ES 2112908	T3	19980416	ES 1992-913905	19920529
	US 5314687	A	19940524	US 1992-932612	19920820
	US 5718910	A	19980217	US 1993-4075	19930113
	WO 9423575	A1	19941027	WO 1994-US2134	19940224

W: AU, CA, CN, JP, NZ

~~RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE~~

AU 9465867	A1	19941108	AU 1994-65867	19940224
AU 676902	B2	19970327		
EP 693876	A1	19960131	EP 1994-913884	19940224
EP 693876	B1	19980708		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE

AT 167981	E	19980715	AT 1994-913884	19940224
US 5489434	A	19960206	US 1995-402629	19950313
PRAI US 1991-734580	A2	19910723		
US 1993-47264	A	19930412		
WO 1994-US2134	W	19940224		

AB A synergistic peroxy acid antimicrobial conc. comprises peroxyglutaric

acid in combination with a C1-4 peroxyacid and/or a C6-18 peroxyacid. Other components can be added to the compn. such as hydrotrope coupling agents, stabilizers, etc. An effective antimicrobial soln. is formed, at low concns., when the conc. is dild. with **water**. Sanitizing of fixed, in-place, processing lines in dairies, breweries, and other food processing operations is one utility of the compn.

ST synergism peroxy acid microbicide

IT Food

(industry, synergistic peroxy acid antimicrobial compns.)

IT **Acids, biological studies**

RL: BAC (Biological activity or effector, except adverse); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(**peroxy**, synergistic antimicrobial compns. contg.)

IT **Bactericides, Disinfectants, and Antiseptics**

Fungicides and Fungistats

Virucides and Virustats

(synergistic, peroxy acids-contg. compns.)

IT 159835-08-2 167770-73-2 167770-74-3

167770-75-4 167770-76-5 167770-77-6

RL: BAC (Biological activity or effector, except adverse); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(synergistic antimicrobial compns.)

IT 159835-08-2 167770-73-2 167770-74-3

167770-75-4 167770-76-5 167770-77-6

RL: BAC (Biological activity or effector, except adverse); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(synergistic antimicrobial compns.)

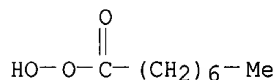
RN 159835-08-2 HCAPLUS

CN Pentanediperoxoic acid, mixt. with octaneperoxoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 33734-57-5

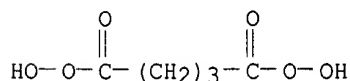
CMF C8 H16 O3



CM 2

CRN 28317-46-6

CMF C5 H8 O6



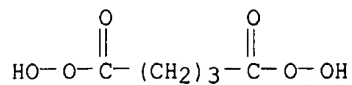
RN 167770-73-2 HCAPLUS

CN Pentanediperoxoic acid, mixt. with decaneperoxoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 28317-46-6

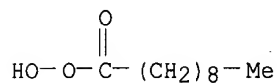
CMF C5 H8 O6



CM 2

CRN 14156-10-6

CMF C10 H20 O3



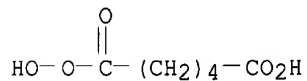
RN 167770-74-3 HCAPLUS

CN Pentanediperoxoic acid, mixt. with 5-carboxypentaneperoxoic acid (9CI)
(CA INDEX NAME)

CM 1

CRN 77155-29-4

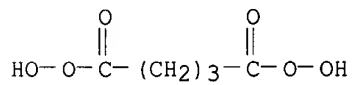
CMF C6 H10 O5



CM 2

CRN 28317-46-6

CMF C5 H8 O6



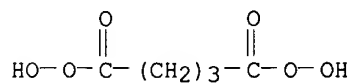
RN 167770-75-4 HCAPLUS

CN Hexanediperoxoic acid, mixt. with pentanediperoxoic acid (9CI) (CA INDEX
NAME)

CM 1

CRN 28317-46-6

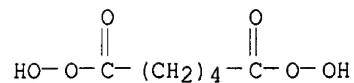
CMF C5 H8 O6



CM 2

CRN 5824-51-1

CMF C6 H10 O6



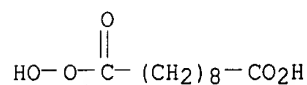
RN 167770-76-5 HCAPLUS

CN Pentanediperoxoic acid, mixt. with 9-carboxynonaneperoxoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 93691-93-1

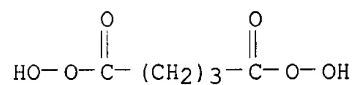
CMF C10 H18 O5



CM 2

CRN 28317-46-6

CMF C5 H8 O6



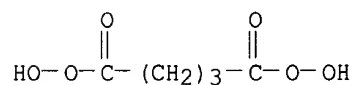
RN 167770-77-6 HCAPLUS

CN Decanediperoxoic acid, mixt. with pentanediperoxoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 28317-46-6

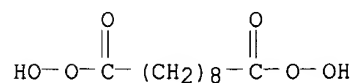
CMF C5 H8 O6



CM 2

CRN 5796-85-0

CMF C10 H18 O6



L84 ANSWER 8 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1995:331197 HCAPLUS

DN 122:89496

TI Viscous epidermal cleaner and disinfectant

IN Kessler, Jack H.

PA USA
 SO U.S., 9 pp. Contg.-in-part of U.S. 5,227,161.
 CODEN: USXXAM
 DT Patent
 LA English
 IC A61K031-23
 NCL 252106000
 CC 63-6 (Pharmaceuticals)
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5370815	A	19941206	US 1993-59956	19930513
	US 5227161	A	19930713	US 1991-681447	19910404
PRAI	US 1988-240212		19880906		
	US 1990-515332		19900427		
	EP 1990-112045		19900625		
	US 1991-681447		19910404		

AB This invention relates to a viscous epidermal cleaner and disinfectant using peroxidase, peroxide, an iodide compd., surfactants and buffering agents to control the pH when admixed in **water** for forming a viscous compn. with a pH between 3.0 and 6.5 and a viscosity of not less than 1.2 cP. The active components are maintained inactive until admixed in a defined proportion with **water**. The pH at which the peroxidase is stored is between 7.0 and 9.0 and the pH of the admixt. of the active components is between 3.0 and 6.5. Alternatively, all of the components of this application can be shipped as **dry** powders or tablets and dissolved prior to use to yield a viscous aq. environment that will be applied to the epidermis with not further diln.

ST skin epidermis cleaner disinfectant

IT Sulfonates

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (alkane- and alkene-; viscous epidermal cleaner and disinfectant)

IT **Bactericides, Disinfectants, and Antiseptics**

Buffer substances and systems

Surfactants

(viscous epidermal cleaner and disinfectant)

IT Alcohols, biological studies

Fatty acids, biological studies

Glycerides, biological studies

Paraffin oils

Peroxides, biological studies

Polyoxyalkylenes, biological studies

Siloxanes and Silicones, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(viscous epidermal cleaner and disinfectant)

IT Fatty acids, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(coco, viscous epidermal cleaner and disinfectant)

IT Amides, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(fatty, viscous epidermal cleaner and disinfectant)

IT Alcohols, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(lanolin, viscous epidermal cleaner and disinfectant)

IT Fatty acids, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(palm kernel-oil, viscous epidermal cleaner and disinfectant)

IT **Acids, biological studies**

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(peroxy, viscous epidermal cleaner and disinfectant)

IT Alcohols, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(polyhydric, viscous epidermal cleaner and disinfectant)

IT Detergents

(skin cleansers, viscous epidermal cleaner and disinfectant)

IT Pharmaceutical dosage forms

(topical, viscous epidermal cleaner and disinfectant)

IT 50-70-4, Sorbitol, biological studies 50-99-7, Glucose, biological studies 56-81-5, Glycerol, biological studies 57-50-1, Sucrose, biological studies 57-55-6, Propylene glycol, biological studies 98-11-3D, Benzenesulfonic acid, esters 99-76-3, Methylparaben 100-51-6, Benzyl alcohol, biological studies 107-35-7D, Taurine, N-acyl-N-Me 107-97-1D, Sarcosinic acid, N-acyl derivs. 124-07-2, Caprylic acid, biological studies 124-43-6 143-07-7, Lauric acid, biological studies 151-21-3, Sodium lauryl sulfate, biological studies 334-48-5, Capric acid 544-63-8, Myristic acid, biological studies 2044-56-6, Lithium lauryl sulfate 7664-93-9D, Sulfuric acid, alkyl esters 9000-30-0, Guar gum 9002-89-5, Polyvinyl alcohol 9003-99-0, Peroxidase 9004-32-4, Sodium CM-cellulose 9004-57-3, Ethyl cellulose 9004-62-0, Hydroxyethyl cellulose 9005-64-5, Tween 20 14915-07-2D, Peroxide, derivs. 20461-54-5, Iodide, biological studies 25322-68-3D, derivs. 25322-69-4, Polypropylene glycol 39421-75-5, Hydroxypropyl guar 74812-15-0, Tween 100 106392-12-5, Ethylene oxide-propylene oxide block copolymer

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(viscous epidermal cleaner and disinfectant)

L84 ANSWER 9 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1994:14963 HCAPLUS

DN 120:14963

TI **Disinfectant** compositions containing peroxy and organic acids

IN Benjamins, Peter; De Boer, Robbert

PA Unilever N. V., Neth.; Unilever PLC

SO Eur. Pat. Appl., 9 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM A01N037-16

ICI A01N037-16, A01N037-02, A01N037-04, A01N025-04

CC 63-8 (Pharmaceuticals)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 569066	A1	19931110	EP 1993-200974	19930402
	EP 569066	B1	19951025		
	R: CH, DE, ES, FR, GB, IT, LI, NL, SE				
	ES 2079940	T3	19960116	ES 1993-200974	19930402
	CA 2093888	AA	19931017	CA 1993-2093888	19930413
	AU 9336842	A1	19931021	AU 1993-36842	19930413
	AU 667085	B2	19960307		
	BR 9301552	A	19931019	BR 1993-1552	19930415
	ZA 9302689	A	19941016	ZA 1993-2689	19930416
PRAI	EP 1992-201093		19920416		

OS MARPAT 120:14963

AB A concd. **disinfectant** compns., pH=2-6, comprises (a) a solid and substantially **water**-insol. org. peroxy acid 0.1-50, and (b) a **water**-sol. org. acid 0.1-50%. The **disinfectants** are suitable for **disinfecting** objects and surfaces at locations where microbial contamination is of major concern, such as in hospitals and the food and drinks industry. A **disinfectant** compns. contained **water** 60.50, ~~dobanoic acid~~ 103 7.00, Marlipal 3.33, citric acid (I) 5.5, 27% 1,12-diperoxydodecane dioic acid 18.52, and minor ingredients 0.05 parts. The logarithmic decimal redn. of the compn. was 1.14 as compared to 0.03 for the controls contg. no I.

ST **disinfectant** peroxy acid org acid; citric acid peroxydodecane dioic acid **disinfectant**

IT Sequestering agents

(**disinfectant** compns. contg. peroxy acids and org. acids and)

IT **Bactericides, Disinfectants, and Antiseptics**

(peroxy acids and org. acids in)

IT Amines, biological studies

RL: BIOL (Biological study)

(polycarboxy deriv., **disinfectant** compns. contg. peroxy acids and org. acids and)

IT Carboxylic acids, biological studies
RL: BIOL (Biological study)
(di-, C8-13, **disinfectant** compns. contg. org. acids and)

IT **Acids, biological studies**
RL: USES (Uses)
(org., **peroxy, disinfectant** compns. contg. org. acids and)

IT **Carboxylic acids, biological studies**
RL: BIOL (Biological study)
(**peroxy, disinfectant** compns. contg. org. acids and)

IT Amines, biological studies
RL: BIOL (Biological study)
(poly-, polycarboxy deriv., **disinfectant** compns. contg. peroxy acids and org. acids and)

IT **66280-55-5, Dodecanediperoxoic acid**
RL: USES (Uses)
(**disinfectant** compns. contg. org. acids and)

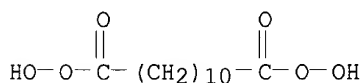
IT 64-19-7, Acetic acid, biological studies 77-92-9, Citric acid, biological studies 79-09-4, Propionic acid, biological studies 110-15-6, Succinic acid, biological studies
RL: BIOL (Biological study)
(**disinfectant** compns. contg. peroxy acids and)

IT 139-13-9 7664-38-2, Phosphoric acid, biological studies
RL: USES (Uses)
(**disinfectant** compns. contg. peroxy acids and org. acids and)

IT **66280-55-5, Dodecanediperoxoic acid**
RL: USES (Uses)
(**disinfectant** compns. contg. org. acids and)

RN 66280-55-5 HCAPLUS

CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 10 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1992:221658 HCAPLUS

DN 116:221658

TI Aqueous **disinfectant** compositions containing peroxy acids and sequestering agents as **activity** enhancers

IN Ploumen, Jan Joseph Hubert; Borgmann-Strahsen, Renate

PA AKZO N. V., Neth.

SO Eur. Pat. Appl., 10 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM A01N037-16

ICI A01N037-16, A01N037-44, A01N025-04

CC 63-8 (Pharmaceuticals)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 461700	A1	19911218	EP 1991-201348	19910604
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 06316505	A2	19941115	JP 1991-166224	19910612
PRAI	EP 1990-201510		19900612		

AB An aq. **disinfectant** compn. comprising a solid substantially **water-insol.** org. peroxy acid and an effective amt. of a sequestering agent has enhanced effectiveness against *Pseudomonas aeruginosa* and various bacteria. The **disinfectants** are intended

to be used for **disinfecting** objects and surfaces in domestic, industrial, and medical uses. A **disinfectant** liq. comprising 1,12-diperoxy dodecanedioic acid 176, nitrilotriacetic acid 200 ppm, Na2B4O7.10H2O 14, K2HPO4 13.3, NaAcO 8.4, a linear alkylbenzene sulfonate 0.5 g/L, pH 5 killed all of the P. aeruginosa in <1 min in the qual. DGHM suspension test.

- ST **disinfectant** peroxy acid sequestering agent;
peroxydodecanedioate nitrilotriacetate **disinfectant**; Pseudomonas
peroxy acid sequestering agent
- IT Borates
RL: BIOL (Biological study)
(buffers contg., in **disinfectant** mixt. contg. peroxy acids
and sequestering agents)
- IT Phosphates, biological studies
RL: BIOL (Biological study)
(buffers contg., in **disinfecting** compn. of peroxy acids and
sequestering agents)
- IT Pseudomonas aeruginosa
(inhibition of, by peroxy acid and sequestering agent combinations)
- IT Sequestering agents
(mixts. with peroxy acids, **disinfectant**)
- IT **Bactericides, Disinfectants, and Antiseptics**
(peroxy acids and sequestering agents and surfactants in)
- IT Sulfonates
RL: BIOL (Biological study)
(alkylarene, with alkali metal, as surfactant for peroxy acid
disinfectant)
- IT **Carboxylic acids, biological studies**
RL: BIOL (Biological study)
(di-, C8-13, **diperoxy**, as **disinfectants**, activity
enhancement by sequestering agent of)
- IT Surfactants
(ionic, **disinfectant** solns. contg. peroxy acids and
sequestering agents and)
- IT Surfactants
(nonionic, **disinfectant** solns. contg. peroxy acids and
sequestering agents and)
- IT **Carboxylic acids, compounds**
RL: BIOL (Biological study)
(**peroxy**, mixts. with sequestering agents,
disinfectant)
- IT **Acids, compounds**
RL: BIOL (Biological study)
(**peroxy**, mixts., with sequestering agents,
disinfectant)
- IT Amino acids, polymers
RL: BIOL (Biological study)
(polymers, as sequestering agent for peroxy acid **disinfectant**
)
- IT 64-19-7D, Acetic acid, salts
RL: USES (Uses)
(buffers contg., in **disinfectant** mixt. contg. peroxy acids
and sequestering agents)
- IT 64-19-7D, Acetic acid, salts 127-09-3 1330-43-4, Boron sodium oxide
(B4Na2O7) 7664-38-2D, Phosphoric acid, salts 7758-11-4 10043-35-3D,
Boric acid, salts
RL: USES (Uses)
(buffers contg., in **disinfecting** compn. of peroxy acids and
sequestering agents)
- IT 60-00-4D, EDTA, mixt. with peroxy acids 139-13-9D, Nitrilotriacetic
acid, mixt. with peroxy acids **66280-55-5D**, Dodecanediperoxoic
acid, mixt. with sequestering agents **141178-64-5**
141178-65-6
RL: USES (Uses)
(**disinfectant**)
- IT **66280-55-5D**, Dodecanediperoxoic acid, mixt. with sequestering

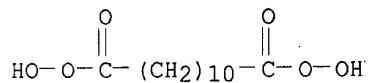
agents 141178-64-5 141178-65-6

RL: USES (Uses)

(disinfectant)

RN 66280-55-5 HCAPLUS

CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



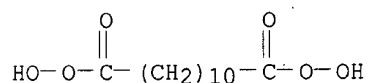
RN 141178-64-5 HCAPLUS

CN Dodecanediperoxoic acid, mixt. with N,N-bis(carboxymethyl)glycine (9CI)
(CA INDEX NAME)

CM 1

CRN 66280-55-5

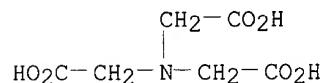
CMF C12 H22 O6



CM 2

CRN 139-13-9

CMF C6 H9 N O6



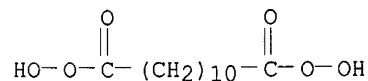
RN 141178-65-6 HCAPLUS

CN Dodecanediperoxoic acid, mixt. with N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycine] (9CI) (CA INDEX NAME)

CM 1

CRN 66280-55-5

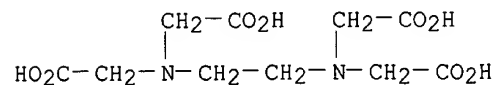
CMF C12 H22 O6



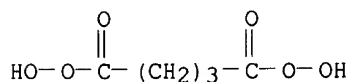
CM 2

CRN 60-00-4

CMF C10 H16 N2 O8



L84 ANSWER 11 OF 19 HCAPLUS COPYRIGHT 2001 ACS
 AN 1989:520802 HCAPLUS
 DN 111:120802
 TI Problems in the **disinfection** of dental impression materials
 AU Borneff, Marianne; Fuhr, Klaus; Behneke, Nikolaus
 CS Hyg.-Inst., Univ. Heidelberg, Heidelberg, D-6900, Fed. Rep. Ger.
 SO Zentralbl. Bakteriol., Mikrobiol. Hyg., Ser. B (1989), 187(4/6), 365-81
 CODEN: ZBMMEA; ISSN: 0932-6073
 DT Journal
 LA German
 CC 63-7 (Pharmaceuticals)
 AB Com. products contg. glutaryl- and succinyldialdehydes and peracetic and
 perglutaric acids were tested for their suitability in the bacterial
disinfection of dental impression materials (alginates and
 elastomers), both in model studies with Staphylococcus aureus and in
 practical trials, whereby effects on impression material properties were
 also considered. In general, **disinfection** within the guidelines
 of the German Society of Hygiene and Microbiol. (DGHM) was possible,
 although a pronounced influence of product formulation (no data) and
 impression material was obsd. Further impression material roughness was
 influenced to various extents, depending upon both **disinfectant**
 and material employed. A general statement of **disinfection**
 suitability was therefore not possible.
 ST dental impression material **disinfection** com **disinfectant**
 IT Rubber, silicone, biological studies
 Rubber, urethane, biological studies
 Siloxanes and Silicones, biological studies
 RL: PROC (Process)
 (**disinfection** of)
 IT **Bactericides, Disinfectants, and Antiseptics**
 (for dental impression materials)
 IT **Sterilization and Disinfection**
 (of dental impression materials, with com. **disinfectants**)
 IT Dental materials and appliances
 (impressions, **disinfection** of, with com.
disinfectants, surface roughness changes in)
 IT Rubber, synthetic
 RL: PROC (Process)
 (polyether, **disinfection** of)
 IT Surface structure
 (roughness, of dental impression materials, **disinfectants**
 effect on)
 IT 79-21-0, Peracetic acid 111-30-8, Pentanedial 638-37-9, Butanedial
28317-46-6, Perglutaric acid
 RL: BIOL (Biological study)
 (dental impression material **disinfection** by)
 IT 109319-34-8, Alginoplast
 RL: PROC (Process)
 (**disinfection** of)
 IT **28317-46-6**, Perglutaric acid
 RL: BIOL (Biological study)
 (dental impression material **disinfection** by)
 RN 28317-46-6 HCAPLUS
 CN Pentanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 12 OF 19 HCAPLUS COPYRIGHT 2001 ACS
 AN 1989:520661 HCAPLUS
 DN 111:120661

TI **Anaerobe**-selective antibacterial compositions containing
1,12-dodecanedioic peroxy acids
IN Sampathkumar, Padmini
PA Procter and Gamble Co., USA
SO U.S., 7 pp.
CODEN: USXXAM
DT Patent
LA English
IC ICM A61K007-20
NCL 424053000
CC 62-7 (Essential Oils and Cosmetics)
Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4804530	A	19890214	US 1987-75235	19870717
	US 5028414	A	19910702	US 1988-272669	19881117

PRAI US 1987-75235 19870717

AB Substituted or unsubstituted 1,12-dodecanedioic peroxyacids, and pharmaceutically acceptable salts, or esters are useful for treating or preventing anaerobic bacterial infections such as acne, and esp. diseases of the oral cavity such as gingivitis and periodontal diseases. A mouth rinse contained diperoxy 1,12-dodecanedioic acid 0.1, boric acid 0.133; Na saccharin 0.102, Na2B4O7.10H2O 0.680, 1N HCl 1.2, EtOH 15% by wt., and **water** balance. The compn. had an available O concn. of 120 ppm and was used twice daily within 10 min of mixing the component to treat or prevent gingivitis or periodontal diseases.

ST peroxy dodecanedioate bactericide gingivitis; acne peroxy dodecanedioate bactericide; mouthwash peroxy dodecanedioate bactericide

IT Acne

(treatment of, dodecanedioic peroxyacid-contg. body rinses for)

IT Dentifrices

(anticariogenic, dodecanedioic peroxyacids in)

IT Mouthwashes

(bactericidal, dodecanedioic peroxyacids in)

IT Periodontium

(disease, treatment of, dodecanedioic peroxyacid-contg. dentifrices for)

IT Gingiva

(disease, gingivitis, treatment of, dodecanedioic peroxyacid-contg. dentifrices for)

IT **Bactericides, Disinfectants, and Antiseptics**

(medical, dodecanedioic peroxyacids as, dentifrices contg.)

IT 53384-55-7 **66280-55-5**, Dodecanediperoxoic acid

66280-55-5D, Dodecanediperoxoic acid, salts and esters

RL: BIOL (Biological study)

(dentifrices contg., as antibacterial agent, for treatment of periodontal diseases)

IT 53384-55-7D, salts and esters

RL: BIOL (Biological study)

(dentifrices contg. as anaerobe-selective antibacterial agent, for treatment of periodontal diseases)

IT **66280-55-5**, Dodecanediperoxoic acid **66280-55-5D**,

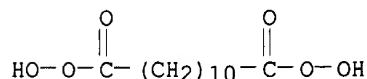
Dodecanediperoxoic acid, salts and esters

RL: BIOL (Biological study)

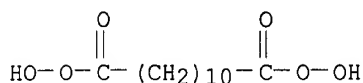
(dentifrices contg., as antibacterial agent, for treatment of periodontal diseases)

RN 66280-55-5 HCAPLUS

CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



RN 66280-55-5 HCAPLUS
 CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 13 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1989:175549 HCAPLUS

DN 110:175549

TI Cleaning of food-stained linen with acids, bleaching agents, alkali builders, and detergents

IN Tsutazumi, Junichi; Obara, Masataka; Iguchi, Kazuo

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM D06L001-16

ICS C11D007-34; C11D017-00; D06L003-02

CC 46-6 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63190076	A2	19880805	JP 1987-21968	19870202
AB	Food-stained table cloths and napkins are cleaned by washing (1) with acidic solns. (pH = 1.5-4), then with aq. solns. contg. bleaching agents, alkali builders (A), and detergents (B), or (2) with acidic solns. (pH = 1.5-4) contg. org. per acids, then with aq. solns. contg. A and B. A food-stained table cloth was washed with a soln. (pH 2.1) contg. 0.2% p-toluenesulfonic acid and 0.1% Mg monoperphthalate at 60.degree. for 10 min, then with a soln. contg. 0.1% Lunace P 200 (contg. nonionic surfactant, soap, and Na tripolyphosphate) and 0.1% Na metasilicate at 60.degree. for 10 min. The cleaning method afforded better cleaning than a conventional method.				
ST	food stained linen cleaning acid; alkali builder cleaning food stained linen; bleaching agent cleaning food stained linen				
IT	Acids, uses and miscellaneous				
	RL: USES (Uses)				
	(cleaning of food-stained linen with alkali builders and bleaching agents and detergents and)				
IT	Food				
	(linen stained by, cleaning of, with acids and bleaching agents and alkali builders and detergents)				
IT	Cleaning				
	(of food-stained linen)				
IT	Bleaching agents				
	(org. per acids, cleaning of food-stained linen with acids and alkali builders and detergents and)				
IT	Detergents				
	(cleaning compns., contg. acid and alkali builder and bleaching agent, for food-stained linen)				
IT	Textiles				
	(linen, food-stained, cleaning of, with acids and bleaching agents and alkali builders and detergents)				
IT	Carboxylic acids, uses and miscellaneous				
	RL: USES (Uses)				
	(peroxy, cleaning of food-stained linen with acids and alkali builders and detergents and)				
IT	66280-55-5, Dodecanediperoxoic acid 78948-87-5				
	RL: USES (Uses)				
	(cleaning of food-stained linen with acids and alkali builders and detergents and)				

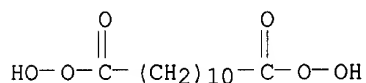
IT 120112-96-1, Lunace P 200
 RL: USES (Uses)
 (cleaning of food-stained linen with acids and bleaching agents and alkali builders and)

IT 6834-92-0, Sodium metasilicate
 RL: USES (Uses)
 (cleaning of food-stained linen with acids and bleaching agents and detergents)

IT 77-92-9, uses and miscellaneous 104-15-4, p-Toluenesulfonic acid, uses and miscellaneous 7647-01-0, Hydrochloric acid, uses and miscellaneous
 RL: USES (Uses)
 (cleaning of food-stained linen with alkali builders and bleaching agents and detergents and)

IT 66280-55-5, Dodecanediperoxoic acid
 RL: USES (Uses)
 (cleaning of food-stained linen with acids and alkali builders and detergents and)

RN 66280-55-5 HCAPLUS
 CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 14 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1987:435126 HCAPLUS

DN 107:35126

TI Agents for removing mold stain

IN Nishiguchi, Hisao; Nakagawa, Junosuke

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

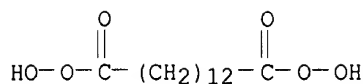
IC ICM A01N059-02

ICS A01N037-16

CC 5-2 (Agrochemical Bioregulators)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61286306	A2	19861216	JP 1985-127311	19850612
AB	A compn. contg. org. peroxyacids or their salts and peroxyulfates is effective to remove molds (esp. black mold) from walls, tiles, etc. Thus, a compn. contg. Mg monoperphthalate. 6H ₂ O 15, Oxone 10, Na ₂ CO ₃ 10, and polyoxyethylenelauryl ether 1% remove a Cladosporium herbarum grown on a porcelain plate and bleached the black stain of the mold.				
ST	peroxycarboxylate peroxyulfate mold remover				
IT	Fungicides and Fungistats				
	(peroxycarboxylates and peroxyulfates, mold stain removal by)				
IT	Mold (fungus)				
	(stain by, removal of, agents for, peroxycarboxylates and peroxyulfates as)				
IT	79-21-0, Peracetic acid		937-22-4	37222-66-5, Oxone	68487-26-3
	78948-87-5				
	RL: BIOL (Biological study)				
	(mold stain removing agent contg.)				
IT	68487-26-3				
	RL: BIOL (Biological study)				
	(mold stain removing agent contg.)				
RN	68487-26-3 HCAPLUS				
CN	Tetradecanediperoxoic acid (9CI) (CA INDEX NAME)				



L84 ANSWER 15 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1987:86742 HCAPLUS

DN 106:86742

TI **Mold**-removing compositions

IN Nishiguchi, Hisao; Nakagawa, Junosuke

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D007-22

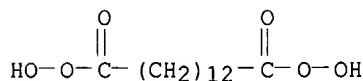
ICS A01N037-16; A01N037-36

ICI A01N037-16, A01N037-02; A01N037-36, A01N037-16

CC 46-6 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61159498	A2	19860719	JP 1985-595	19850107
	JP 06035597	B4	19940511		
AB	The title compns., having no odor, contain org. peroxides and lower carboxylic acid salts. Thus, a mixt. of H-48 10.0, Na tartrate (I) 10.0, and water 80.0%, adjusted to pH 8 with NaOH and having no odor, was sprayed on a mold-contg. plate. The compn. removed 92% of the mold during 15 min, vs. 43% without I.				
ST	peroxide mold remover odorless; tartrate peroxide mold remover; magnesium monoperphthalate mold remover				
IT	Deodorants (carboxylic acid salts, for peroxide compn., for mold removal)				
IT	Peroxides, uses and miscellaneous RL: USES (Uses) (mold-removing aq. compns. contg. carboxylic acid salts and, odorless)				
IT	Fungicides and Fungistats (peroxide-carboxylic acid salt- water compns., odorless, for removing mold)				
IT	Detergents (cleaning compns., liq., peroxide- and carboxylic acid-contg., odorless, for removing mold)				
IT	937-22-4, p-Chloroperbenzoic acid 68487-26-3 78948-87-5, H48 RL: USES (Uses) (mold-removing aq. compns. contg. carboxylic acid salts and, odorless)				
IT	68-04-2, Sodium citrate 127-08-2, Potassium acetate 127-09-3, Sodium acetate 868-18-8, Sodium tartrate 2836-32-0, Sodium glycolate RL: USES (Uses) (peroxide compns. contg., odorless, for removing mold)				
IT	68487-26-3 RL: USES (Uses) (mold-removing aq. compns. contg. carboxylic acid salts and, odorless)				
RN	68487-26-3 HCAPLUS				
CN	Tetradecanediperoxoic acid (9CI) (CA INDEX NAME)				

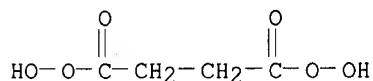


L84 ANSWER 16 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1983:605667 HCAPLUS

DN 99:205667

TI Studies on the mechanism of virus inactivation by peracids
 AU Sporkenbach-Hoeffler, Jutta; Wiegers, Klaus Jochen; Dernick, Rudolf
 CS Heinrich-Pette-Inst. Exp. Virol. Immunol., Univ. Hamburg, Hamburg,
 D-2000/20, Fed. Rep. Ger.
 SO Zentralbl. Bakteriол., Mikrobiol. Hyg., Abt. 1, Orig. B (1983), 177(6),
 469-81
 CODEN: ZAOMDC; ISSN: 0174-3015
 DT Journal
 LA German
 CC 1-5 (Pharmacology)
 AB A study of the antiviral mechanism of action of peracids against
 poliovirus type 1 demonstrated a multicomponent inactivation kinetics in
 that the integrity of the virus particle as well as viral RNA were altered
 as a result of exposure to the peracids. The sedimentation of the virion
 as well as viral RNA were altered by the peracids due to disrupted virus
 capsids and RNA fragmentation. The inactivation of viral RNA required
 equal or greater concns. of peracids than the inactivation of the virion.
 ST peracid antiviral mechanism
 IT **Virucides and Virustats**
 (peracids as)
 IT Ribonucleic acids
 RL: BIOL (Biological study)
 (virucidal mechanism of action of peracids in relation to)
 IT **Acids, biological studies**
 RL: BAC (Biological activity or effector, except adverse); THU
 (Therapeutic use); BIOL (Biological study); USES (Uses)
 (peroxy, virucidal activity of, mechanism of)
 IT 50-00-0, biological studies 93-59-4 **2279-96-1**
 RL: BAC (Biological activity or effector, except adverse); THU
 (Therapeutic use); BIOL (Biological study); USES (Uses)
 (virucidal activity of, mechanism of)
 IT **2279-96-1**
 RL: BAC (Biological activity or effector, except adverse); THU
 (Therapeutic use); BIOL (Biological study); USES (Uses)
 (virucidal activity of, mechanism of)
 RN 2279-96-1 HCAPLUS
 CN Butanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 17 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1983:91421 HCAPLUS

DN 98:91421

TI Composition and method for bleaching and **disinfecting** textiles

IN Kuzel, Peter; Schwab, Heinrich

PA Degussa A.-G., Fed. Rep. Ger.

SO Ger. Offen., 26 pp.

CODEN: GWXXBX

DT Patent

LA German

IC D06L003-02; C11D003-395; C11D003-48

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3121242	A1	19830105	DE 1981-3121242	19810529
AB	Textiles are bleached and disinfected by treatment with an aq. bath contg. a mixt. of Na perborate or Na percarbonate and .gtoreq.1 peroxy-carboxylic acid. Thus, a detergent compn. contg. 16.7 part Na perborate and 2-4 parts diperazelaic acid (I) [1941-79-3] was used to wash a wine-stained cotton textile at 60.degree. to give a change				

in reflectance of 16.2% vs. a similar compn. not contg. I. This compn. left no residual bacteria in a contaminated textile at 20.degree. for 30 min, vs. contamination when I was omitted.

ST bactericide bleaching compn textile; washing bleaching
disinfecting compn; perborate peroxy acid bleaching bactericide

IT Bleaching
 (disinfecting and, of textiles, washing compns. contg. sodium perborate and diperoxy acids as)

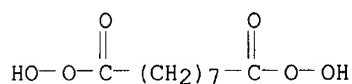
IT **Bactericides, Disinfectants, and Antiseptics**
 (sodium perborate-diperoxy carboxylic acids, for washing compns.)

IT 1941-79-3 11138-47-9 66280-55-5
 RL: USES (Uses)
 (bleaching-disinfecting washing compns. contg., for textiles)

IT 1941-79-3 66280-55-5
 RL: USES (Uses)
 (bleaching-disinfecting washing compns. contg., for textiles)

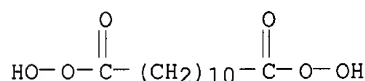
RN 1941-79-3 HCAPLUS

CN Nonanediperoxoic acid (9CI) (CA INDEX NAME)



RN 66280-55-5 HCAPLUS

CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



L84 ANSWER 18 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1982:135353 HCAPLUS

DN 96:135353

TI The **virus** inactivating efficacy of peracids and peracid
disinfectants

AU Sporkenbach, Jutta; Wiegers, Klaus Jochen; Dernick, Rudolf

CS Heinrich-Pette-Inst. Exp. Virol. Immunol., Univ. Hamburg, Hamburg, Fed.
 Rep. Ger.

SO Zentralbl. Bakteriol., Mikrobiol. Hyg., Abt. 1, Orig. B (1981), 173(6),
 425-39

CODEN: ZAOMDC

DT Journal

LA German

CC 1-5 (Pharmacology)

AB The **virus**-inactivating efficacy of peracids formed upon dissoln.
 of com.'powd. **disinfectants** as well as of pure peracids is
 presented. All inactivated the following **viruses**: poliovirus
 type 1, coxsackievirus B3, adenovirus type 5, and SV40. The most
 resistant **viruses** were the picornaviruses, esp. coxsackievirus
 B3. Also, the pure peracids were more active than the peracids formed
 from the powders (Perform [2279-96-1] and Dentavon
 [71427-18-4]). However, with all the peracids a residual infectivity
 remained, which may be due to nonhomogeneous **virus** populations.

ST peroxy acid virucide

IT **Virucides and Virustats**
 (peroxy acids as)

IT **Acids, biological studies**
 RL: BAC (Biological activity or effector, except adverse); THU
 (Therapeutic use); BIOL (Biological study); USES (Uses)
 (peroxy, virucidal activity of)

IT 93-59-4 2279-96-1

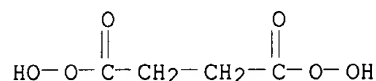
RL: BAC (Biological activity or effector, except adverse); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)
(virucidal activity of)

IT 2279-96-1 71427-18-4
RL: BIOL (Biological study)
(virucidal activity of aq. solns. of)

IT 2279-96-1
RL: BAC (Biological activity or effector, except adverse); THU
(Therapeutic use); BIOL (Biological study); USES (Uses)
(virucidal activity of)

RN 2279-96-1 HCAPLUS

CN Butanediperoxoic acid (9CI) (CA INDEX NAME)



RL: BIOL (Biological study)
(virucidal activity of aq. solns. of)

L84 ANSWER 19 OF 19 HCAPLUS COPYRIGHT 2001 ACS

AN 1979:89121 HCAPLUS

DN 90:89121

TI **Drying** of bleaching agents

PA Procter and Gamble Co., USA

SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

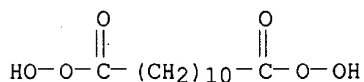
IC B01J002-00

CC 46-5 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 53122680	A2	19781026	JP 1978-14827	19780210
	JP 03032600	B4	19910513		
	US 4091544	A	19780530	US 1977-768013	19770211
	DE 2805128	A1	19780817	DE 1978-2805128	19780207
	DE 2805128	C2	19880414		
	FR 2380515	A1	19780908	FR 1978-3863	19780210
	FR 2380515	B1	19840106		
PRAI	US 1977-768013		19770211		
AB	Bleaching agents were prepd. by drying aq. diperoxydodecanedioic acid (I) [66280-55-5] in presence of Na2SO4. Thus, a blend of 40% aq. I 2.5, boric acid 1.5, Na2SO4 6, and a surfactant paste (contg. water 50, a C13 linear alkylbenzenesulfonate 27.6, and Na sulfate 23.4%) 0.7 part was extruded, cooled with air at 4.5-10.degree., cut, dried at 49-52.degree. for 3 h, and cooled to give a bleaching agent.				
ST	peroxydodecanedioic acid bleaching agent; drying bleaching agent; sodium sulfate bleaching compn				
IT	Bleaching agents (diperoxydodecanedioic acid, drying of, in presence of sodium sulfate)				
IT	Drying (of diperoxydodecanedioic acid, in presence of sodium sulfate, for bleaching agents)				
IT	66280-55-5P RL: PREP (Preparation) (bleaching agents, drying of, in presence of sodium sulfate)				
IT	7757-82-6, uses and miscellaneous RL: USES (Uses) (drying of diperoxydodecanedioic acid in presence of, for bleaching agents)				
IT	66280-55-5P				

RL: PREP (Preparation)
 (bleaching agents, **drying** of, in presence of sodium sulfate)
 RN 66280-55-5 HCAPLUS
 CN Dodecanediperoxoic acid (9CI) (CA INDEX NAME)



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L101 ANSWER 1 OF 3 WPIX COPYRIGHT 2001 DERWENT INFORMATION LTD

AN 1991-215109 [29] WPIX

CR 1989-068422 [09]

DNC C1991-093410

TI Dodecane di oic peroxy acid as anaerobic selective antibacterial agent -
 useful esp. for oral cavity, in gingivitis or periodontal disease.

DC B05 C03 D21

IN SAMPATHKUM, P

PA (PROC) PROCTER & GAMBLE CO

CYC 1

PI US 5028414 A 19910702 (199129)*

ADT US 5028414 A US 1988-272669 19881117

PRAI US 1987-75235 19870717; US 1988-272669 19881117

IC A61K007-16; A61K009-68

AB US 5028414 A UPAB: 19930928

An anaerobe-selective, antibacterial, **oral care**
 compsn., useful for preventing or treating gingivitis or periodontal
 disease in the oral cavity, comprises; (a) 0.01-35% by wt. of
diperoxy 1,12-dodecanedioic acid (I) (opt. substd.) its salts, or
 esters; and (b) 65-99.99% by wt. of a carrier comprising a flavouring or
 sweetening agent.

The compsn. is in the form of a dentifrice (tooth powder, toothpaste,
 or tooth gel), **mouth** rinse, **mouth** spray, lozenge,
 chewing gum or sachet.

USE/ADVANTAGE - The compsn. is efficient and selective in killing
 anaerobic bacteria. Other discarboxylic and monocarboxylic peroxy acids
 are not so selective for anaerobes as (I). The selectivity avoids
 destroying the normal flora of infected tissue, unlike broad spectrum
 antibacterials.

0/0
 FS CPI
 FA AB; DCN
 MC CPI: B10-A04; B12-A01; B12-A07; B12-L04; B12-L05; C10-A04; C12-A01;
 C12-A07; C12-L04; C12-L05; D08-B08

L101 ANSWER 2 OF 3 WPIX COPYRIGHT 2001 DERWENT INFORMATION LTD

AN 1989-068422 [09] WPIX

DNC C1989-030451

TI Treating anaerobic bacterial infections, esp. of **mouth** - by
 topical application of 1,12-dodecane di oic peroxy acid.

DC B05 C03 D21

IN SAMPATHKUM, P

PA (PROC) PROCTER & GAMBLE CO

CYC 1

PI US 4804530 A 19890214 (198909)* 7p

ADT US 4804530 A US 1987-75235 19870717

PRAI US 1987-75235 19870717

IC A61K007-20

AB US 4804530 A UPAB: 19930923

Anaerobic bacterial infections in humans and animals are treated or
 prevented by topical application of an opt. substd. 1,12-dodecanedioic
 mono-ordi-peroxy acid (I) or its salts or esters to the infected tissue.

Pref. (I) is unsubstd. **diperoxy** 1,12-dodecanedioic acid

(Ia).

USE/ADVANTAGE - (I) is particularly useful for treating or preventing
 anaerobic bacterial infections of the **mouth** (claimed), such as
 gingivitis and periodontitis. For this application it may be added to
 toothpastes or formulated into **mouth** rinses etc. (I) is
 selective in its activity against anaerobic bacteria, and therefore does
 not kill the normal (beneficial) flora in the **mouth**. The
 possibility of yeast infections or staining of the teeth is thus avoided.
 Also (I) is a bleaching agent and may assist in removal of stains from the
 teeth. (I) may also be used for topical treatment of acne, dandruff, gas
 gangrene, gas-warming, cellulitis, abscesses, lesions, infected wounds,
 bovine mastitis, uterine infection, eye infections (e.g. conjunctivitis),
 ginsitis, and ear infections.

0/0

FS CPI

FA AB; DCN

MC CPI: B10-A04; B12-A01; B12-A07; B12-L03; B12-L04; B12-L05; C10-A04;
 C12-A01; C12-A07; C12-L03; C12-L04; C12-L05; D08-B03; D08-B08

L101 ANSWER 3 OF 3 WPIX COPYRIGHT 2001 DERWENT INFORMATION LTD

AN 1985-277890 [45] WPIX

DNC C1985-120400

TI Stable aq. liq. bleach compsns. - contg. solid organic peroxy aid,
 surfactant and electrolyte.

DC D25 E17

IN GREEN, R J; HUMPHREYS, R W R; RUSSELL, S W; WALKER, A W

PA (UNIL) LEVER BROS CO; (UNIL) UNILEVER NV

CYC 18

PI EP 160342 A 19851106 (198545)* EN

R: AT BE CH DE FR IT LI NL SE

AU 8541774 A 19851107 (198601)

JP 60240800 A 19851129 (198603)

NO 8501712 A 19851125 (198603)

BR 8502065 A 19851231 (198608)

PT 80372 A 19860421 (198619)

ES 8603938 A 19860516 (198627)

ZA 8503214 A 19861030 (198704)

US 4642198 A 19870210 (198708)

EP 160342 B 19900124 (199004) EN

R: AT BE CH DE FR GB IT LI NL SE

DE 3575574 G 19900301 (199010)

JP 03060877 B 19910918 (199141)

EP 160342 B2 19921111 (199246) EN 12p C11D003-395
 R: AT BE CH DE FR GB IT LI NL SE
 ADT EP 160342 A EP 1985-200647 19850425; JP 60240800 A JP 1985-93520 19850430;
 ES 8603938 A ES 1985-542778 19850430; ZA 8503214 A ZA 1985-3214 19850430;
 US 4642198 A US 1985-727494 19850426; JP 03060877 B JP 1985-93520
 19850430; EP 160342 B2 EP 1985-200647 19850425
 PRAI GB 1984-11161 19840501; GB 1984-31873 19841218
 REP A3...8604; CH 491047; EP 79646; EP 80221; EP 86614; FR 2305532; No-SR.Pub;
 US 3996152; US 4129527; US 4396525; DE 2652424; EP 176124; US 3149078
 IC ICM C11D003-395
 ICS C11D001-00; C11D003-39; C11D007-54; D06L003-02
 AB EP 160342 A UPAB: 19930925

Aqueous liquid bleaching composition

having a pH in the range of from 1 to 6.5 and comprising a solid particulate, substantially water-insoluble organic peroxyacid, characterised in that it comprises from 1 to 40% by weight of said organic peroxyacid having a water-solubility of less than about 1% by weight at ambient temperature, stably suspended in an acid aqueous surfactant structured liquid comprising from 2 to 50% by weight of surfactant types and from 1.5 to 30% by weight of an electrolyte other than a halide or a carbonate.

FS CPI

FA AB

MC CPI: D11-A01C; D11-A03; D11-A07; D11-B01; D11-D07; E10-A04; E10-A09B2;
 E10-E04M; E33-C

ABEQ EP 160342 B UPAB: 19930925

Aqueous liquid bleaching composition

having a pH in the range of from 1 to 6.5 and comprising a solid particulate, substantially water-insoluble organic peroxyacid, characterised in that it comprises from 1 to 40% by weight of said organic peroxyacid having a water-solubility of less than about 1% by weight at ambient temperature, stably suspended in an acid aqueous surfactant structured liquid comprising from 2 to 50% by weight of surfactant types and from 1.5 to 30% by weight of an electrolyte other than a halide or a carbonate.

0/0

ABEQ US 4642198 A UPAB: 19930925

Improved aq. liq. bleaching compsn

. has pH 1-6.5, and comprises 1-40 wt.% of solid particulate water-insol. organic peroxy acid stably suspended in a surfactant structured liq. Liq. comprises 2-50 wt.% of surfactant, 1.5-30 wt.% of electrolyte, and water to 100 wt.%, having viscosity 0.05-20 PaS at shear rate 21 per sec. at 25 deg.C. Pref. surfactant is anionic alkylbenzene sulphonate; and/or nonionic fatty acid mono-or dialkylolamide, tert.amine oxide, ethylene oxide and/or propylene oxide condensation prod. with alcohol, alkylphenol, fatty acid and/or fatty acid amide. Peroxy acid is 1,12-diperoxy dodecanedioic acid.

USE - For bleaching fabrics, hard surfaces, or other substrates.

=> d his

(FILE 'HOME' ENTERED AT 17:12:18 ON 12 OCT 2001)
 SET COST OFF

FILE 'REGISTRY' ENTERED AT 17:12:28 ON 12 OCT 2001

E DIPERGLUTARIC ACID/CN
 L1 1 S E3
 E DIPERADIPIC ACID/CN
 L2 1 S E3
 E DIPERPIMELIC ACID/CN
 E DIPERMELIC ACID/CN
 E DIPERSUBERIC ACID/CN
 E DIPERAZELAIC ACID/CN
 L3 1 S E3
 L4 STR

L5 3 S L4 CSS
 L6 114 S L4 CSS FUL
 SAV L6 QAZI733/A
 L7 41 S L6 AND 1/NC
 L8 STR L4
 L9 87 S L8 FUL SUB=L6
 SAV L9 QAZI733A/A
 L10 14 S L7 AND L9
 L11 27 S L7 NOT L10
 L12 14 S L1-L3,L10
 SEL RN
 L13 74 S E1-E14/CRN
 L14 2 S L13 AND C5H8O6 AND (C6H10O6 OR C10H18O6)
 L15 1 S L13 AND NA/ELS
 L16 9 S L13 AND C10H18O6
 L17 8 S L16 AND PMS/CI
 L18 1 S L17 AND 1/NC
 L19 17 S L12,L14,L15,L18
 L20 97 S L6 NOT L19

FILE 'HCAPLUS' ENTERED AT 17:24:24 ON 12 OCT 2001

L21 272 S L19
 L22 72 S L20
 E SINGH W/AU
 L23 9 S E3,E8
 L24 11 S E14-E17
 E GILETTO A/AU
 L25 9 S E3,E4
 E HITCHENS G/AU
 L26 44 S E4,E5
 E LYNNTECH/PA,CS
 L27 71 S E3-E11
 L28 1 S L21,L22 AND L23-L27
 E CARBOXYLIC/CT
 L29 605 S E19 (L) PEROXY
 L30 5 S E19 (L) DIPEROXY
 L31 15 S E19 (L) DI(L)PEROXY
 L32 1 S L23-L27 AND L29-L31
 L33 1 S L28,L32
 L34 859 S L21,L22,L29-L31
 L35 2 S L34 AND DRY(L) SOLID
 E STERIL/CT
 E E19+ALL
 L36 293 S E1
 L37 5395 S E2
 E E2+ALL
 L38 1354 S E2-E4
 L39 5606 S E1+NT
 E E9+ALL
 L40 9347 S E1
 E E20+ALL
 L41 1498 S E3+NT
 L42 2796 S E10+NT
 L43 5230 S E8+NT
 E DISINFECT/CT
 E E13+ALL
 L44 290 S E1
 E DISINFECT/CT
 E E5+ALL
 L45 168925 S E5,E6,E4,E3+NT
 L46 34729 S E8+NT
 L47 119969 S E9+NT
 L48 13531 S E10+NT
 L49 15873 S E11+NT
 L50 339 S E12+NT
 E E10+ALL

L51 15935 S E10,E11
E FUNG/CT
E E134+ALL
L52 38382 S E9
L53 15873 S E8+NT
E E40+ALL
L54 339 S E5
L55 112 S L34 AND L36-L54
E STERIL/CT
E E10+ALL
E PEROXY/CT
E E4+ALL
L56 641 S E8,E9,E10,E7
L57 1411 S L34,L56
L58 161 S L57 AND L36-L54
L59 161 S L55,L58
L60 93 S L59 AND (H2O2 OR HYDROGEN PEROXIDE)

FILE 'REGISTRY' ENTERED AT 17:35:39 ON 12 OCT 2001

L61 1 S 7722-84-1
L62 1 S WATER/CN

FILE 'HCAPLUS' ENTERED AT 17:35:47 ON 12 OCT 2001

L63 81 S L61 AND L59
L64 95 S L60,L63
L65 66 S L59 NOT L64
L66 3 S L65 AND DRY
L67 17 S L65 AND (L61 OR H2O OR WATER OR W)
L68 12 S L67 AND (INDUSTRIAL OR QUATERNARY OR MOLD OR ACTIVATOR OR TEX
L69 5 S L67 NOT L68
L70 331 S L21,L22
L71 40 S L70 AND L59
L72 14 S L71 NOT (H2O2 OR HYDROGEN PEROXIDE OR L61)
L73 14 S L72 AND L64,L65
L74 17 S L69,L73
L75 5 S L70 AND STERIL?
L76 1 S L75 NOT (H2O2 OR HYDROGEN PEROXIDE)
L77 35 S L70 AND (DISINFECT? OR DECONTAMINAT?)
L78 15 S L77 NOT (L61 OR H2O2 OR HYDROGEN PEROXIDE)
L79 1 S L78 AND VIRUS
L80 43 S L19/P OR L20/P
L81 8 S L80 NOT (H2O2 OR HYDROGEN PEROXIDE OR L61)
L82 1 S L81 AND DRYING
L83 19 S L33,L74,L79,L82
L84 19 S L83 AND L21-L60,L63-L82
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 18:15:17 ON 12 OCT 2001

L85 15 S E1-E15

FILE 'REGISTRY' ENTERED AT 18:15:43 ON 12 OCT 2001

FILE 'HCAPLUS' ENTERED AT 18:16:12 ON 12 OCT 2001

FILE 'WPIX' ENTERED AT 18:19:28 ON 12 OCT 2001

L86 10 S DIPERCARBOXYLIC OR DIPERCARBOXYLATE OR DI() (PERCARBOXYLIC OR
L87 126 S DIPEROXY OR DI PEROXY
E DIPERGLUTAR
L88 2 S E4,E5
E DIPERADIPIC
L89 2 S E3
L90 1 S E2
E DIPERPIML
E DIPEROXYP
E PEROXPIMELIC
E DIPERSUBERIC

E PEROXYSUBERIC
E DIPERAZELAIC
L91 5 S E3
L92 1 S E4
L93 20 S L86,L88-L92
L94 3 S Q261/M0,M1,M2,M3,M4,M5,M6 AND L93
E HYDROGEN PEROXIDE/DCN
E E3+ALL
L95 28671 S E2 OR 1732/DRN OR H2O2 OR HYDROGEN PEROXIDE
L96 114 S L93,L87 NOT L95
L97 8 S L96 AND Q261/M0,M1,M2,M3,M4,M5,M6
L98 1 S L97 AND ORAL CARE
L99 2 S L97 AND MOUTH
L100 1 S L97 AND AQUEOUS LIQUID BLEACHING COMPOSITION
L101 3 S L98-L100
E DIPERGLUTARIC/DCN
E E10+ALL
L102 1 S E2
E DIPEROXY/DCN
E E5+ALL
L103 12 S E2
E DIPERADIPIC/DCN
E PEROXYGLUT/DCN
E PEROXYT/DCN
E PEROXY/DCN
E E7+AKK
E E3+ALL
L104 56 S E2
L105 35 S E4
E PEROXY/DCN
L106 13 S L102-L105 AND Q261/M0,M1,M2,M3,M4,M5,M6

FILE 'WPIX' ENTERED AT 18:33:37 ON 12 OCT 2001

Welcome to STN International! Enter x:x

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADDEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 38	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS 39	May 16	CHEMREACT will be removed from STN

.09733611

NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and
right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 22:03:36 ON 10 JUN 2003

=> file caplus

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FULL ESTIMATED COST	0.21	0.21

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FILE COVERS 1907 - 10 Jun 2003 VOL 138 ISS 24

FILE LAST UPDATED: 9 Jun 2003 (20030609/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s sterilization

.09733611

L1 25116 STERILIZATION

=> s steralize?

L2 0 STERALIZE?

=> s sterilizing

L3 6414 STERILIZING

=> s l3 and peroxyacid?

331 PEROXYACID?

L4 1 L3 AND PEROXYACID?

=> d l4

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 1994:280366 CAPLUS

DN 120:280366

TI Disinfectant compositions containing peracid precursors and quaternary ammonium compounds

IN Wright, Christopher Thomas

PA Laporte ESD Ltd., UK

SO Brit. UK Pat. Appl., 14 pp.

CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2268879	A1	19940126	GB 1992-15772	19920724
PRAI	GB 1992-15772		19920724		

=> s l3 percarboxylic acid

MISSING OPERATOR L3 PERCARBOXYL

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l3 and dipercarboxylic acid

2 DIPERCARBOXYLIC

3652683 ACID

1 DIPERCARBOXYLIC ACID

(DIPERCARBOXYLIC(W)ACID)

L5 1 L3 AND DIPERCARBOXYLIC ACID

=> d l5 ibib hitstr abs

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:595512 CAPLUS

DOCUMENT NUMBER: 137:145669

TITLE: Methods of **sterilizing** with dipercarboxylic acids

INVENTOR(S): Singh, Waheguru Pal; Giletto, Anthony; Hitchens, G. Duncan

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 9 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

.09733611

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002107288	A1	20020808	US 2000-733611	20001208
US 2002188026	A1	20021212	US 2001-52908	20011029
PRIORITY APPLN. INFO.:			US 2000-733611	A3 20001208

AB Dry **dipercarboxylic acid** material and methods of using dry **dipercarboxylic acid** particulates to form novel **sterilizing** solns. or liq. chem. germicides. The dipercarboxylic acids or org. diperoxygen compds. can be synthesized and isolated as solid powders with an extended shelf life. The powders are also sol. in water for quickly prepg. liq. disinfectant solns., whenever and wherever desired, from a potable water source. The dry **dipercarboxylic acid** materials are selected from diperglutaric acid, diperadipic acid, diperpimelic acid, dipersuberic acid, and diperazelaic acid. Upon dissoln. into water, these compds. have demonstrated the ability to inactivate high nos. of spores, including sterilization of medical equipment in 10 min at room temp. The av. dim. of zone of inhibition of diperglutaric acid at a concn. of 0.33% against Staphylococcus aureus, Pseudomonas aeruginosa, and Escherichia coli was 10 mm, while glutaric acid at 1% had no zone of inhibition.

=> d his

(FILE 'HOME' ENTERED AT 22:03:36 ON 10 JUN 2003)

FILE 'CAPLUS' ENTERED AT 22:03:43 ON 10 JUN 2003

L1 25116 S STERILIZATION
L2 0 S STERILIZE?
L3 6414 S STERILIZING
L4 1 S L3 AND PEROXYACID?
L5 1 S L3 AND DIPERCARBOXYLIC ACID

=> s l1 and dipercarboxylic acid
2 DIPERCARBOXYLIC
3652683 ACID
1 DIPERCARBOXYLIC ACID
(DIPERCARBOXYLIC(W)ACID)
L6 1 L1 AND DIPERCARBOXYLIC ACID

=> dup rem l6
PROCESSING COMPLETED FOR L6
L7 1 DUP REM L6 (0 DUPLICATES REMOVED)

=> d l6

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2002:595512 CAPLUS
DN 137:145669
TI Methods of sterilizing with dipercarboxylic acids
IN Singh, Waheguru Pal; Giletto, Anthony; Hitchens, G. Duncan
PA USA
SO U.S. Pat. Appl. Publ., 9 pp.

.09733611

CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002107288	A1	20020808	US 2000-733611	20001208
	US 2002188026	A1	20021212	US 2001-52908	20011029
PRAI	US 2000-733611	A3	20001208		

=> s 13 and percarboxylic acid
248 PERCARBOXYLIC
3652683 ACID

161 PERCARBOXYLIC ACID
(PERCARBOXYLIC(W)ACID)
L8 1 L3 AND PERCARBOXYLIC ACID

=> s percarboxylic acid
248 PERCARBOXYLIC
3652683 ACID
L9 161 PERCARBOXYLIC ACID
(PERCARBOXYLIC(W)ACID)

=> s 19 and dipercarboxylic acid
2 DIPERCARBOXYLIC
3652683 ACID
1 DIPERCARBOXYLIC ACID
(DIPERCARBOXYLIC(W)ACID)
L10 0 L9 AND DIPERCARBOXYLIC ACID

=> s 19 and sterilization
25116 STERILIZATION
L11 2 L9 AND STERILIZATION

=> d l11 1-2 ibib hitstr abs

L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:115275 CAPLUS
DOCUMENT NUMBER: 124:156154
TITLE: Bleach activators and neutralizers for sterilizing
with peroxy compounds
INVENTOR(S): Croud, Vincent Brian
PATENT ASSIGNEE(S): Warwick International Group Ltd., UK
SOURCE: Brit. UK Pat. Appl., 19 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	GB 2288979	A1	19951108	GB 1994-9021	19940506
PRIORITY APPLN. INFO.:				GB 1994-9021	19940506
AB	A bleach activator of the type commonly used in laundry detergents is used to activate a peroxygen bleach used to sterilize a prosthesis removed from				

the body before reinsertion. The prosthesis may be a set of dentures, contact lenses, or a diaphragm. The bleaching soln. is subsequently neutralized with a neutralizer compd. which reacts with peroxygen bleaching species. The neutralizer may be an .alpha.-keto acid, preferably pyruvic acid. The compns. may contain an indicator which changes color upon neutralization of old bleaching species. The pH of the sterilizing soln. is preferably in the range 4 up to the pKa of the protonated form of the bleaching species, which is usually a **percarboxylic acid**. Preferably the pH is in the range 4-7.7. Activation of the peroxygen bleach source allows improved **sterilization** to be achieved, while neutralization gives improved comfort to the wearer and is particularly desirable for removal of **percarboxylic acid** species present in the sterilizing soln. A compn. contg. Na perborate tetrahydrate 17.5, citric acid 8, tetraacetylene diamine 2.6, NaHCO₃ 0.5, EDTA 0.25, and a surfactant 0.2g was dissolved in 1 L of water. A denture was placed in the soln. for .apprx.10 min and the soln. was poured off and a new soln. contg. Na pyruvate was contacted with the drained dentures.

L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1978:552533 CAPLUS

DOCUMENT NUMBER: 89:152533

TITLE: Solid agent with antimicrobial activity in aqueous systems

INVENTOR(S): Eggensperger, Heinz; Beilfuss, Wolfgang; Zerling, Wolfgang

PATENT ASSIGNEE(S): Schuelke und Mayr G.m.b.H., Fed. Rep. Ger.

SOURCE: Ger. Offen., 11 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

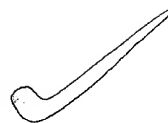
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2653738	A1	19780601	DE 1976-2653738	19761126
CH 632899	A	19821115	CH 1977-11779	19770927
AT 7707457	A	19790415	AT 1977-7457	19771018
AT 353426	B	19791112		
NO 7703610	A	19780529	NO 1977-3610	19771021
NO 147468	B	19830110		
NO 147468	C	19830420		
NL 7711691	A	19780530	NL 1977-11691	19771025
FI 7703244	A	19780527	FI 1977-3244	19771031
FI 59698	B	19810630		
FI 59698	C	19811012		
BE 860743	A1	19780301	BE 1977-182565	19771110
FR 2371929	A1	19780623	FR 1977-34441	19771116
FR 2371929	B1	19800627		
SE 7712985	A	19780527	SE 1977-12985	19771117
SE 440847	B	19850826		
SE 440847	C	19851205		
ZA 7706860	A	19780927	ZA 1977-6860	19771117
GB 1556323	A	19791121	GB 1977-48550	19771122
BR 7707811	A	19780801	BR 1977-7811	19771124
DK 7705242	A	19780527	DK 1977-5242	19771125

4 09733611

JP 53104727 A2 19780912 JP 1977-142106 19771126
PRIORITY APPLN. INFO.: DE 1976-2653738 19761126
AB A solid bactericide contg. .gtoreq.1 arom. **percarboxylic**
acid with H2O soly. .ltoreq.1% is used for the disinfection of
water. The bactericide in combination with a solid carrier and,
optionally, a corrosion inhibitor is used as a powder, pellets, or in
water-permeable bags. The highest antimicrobial activity was attained
with p-tert-butylperbenzoic acid [1711-40-6].

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1977:156984 CAPLUS
DOCUMENT NUMBER: 86:156984
TITLE: Bleach tablet composition
INVENTOR(S): Huber, Arthur Elmer
PATENT ASSIGNEE(S): Procter and Gamble Co., USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:



PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 4013581	A	19770322	US 1975-594910	19750710
AB	Mixts. of microfine, free-flowing starch [9005-25-8] and microcryst. cellulose (I) [9004-34-6] can be combined with solid diperazelaic acid (II) [1941-79-3] bleaches or perlauric acid [2388-12-7] bleaches and Na2SO4 to provide tablets which are storage-stable, durable, and yet rapidly disintegrate and disperse on contact with water. Thus, a 1:1 II-Na2SO4 mixt. was blended with Avicel microcryst. I, starch, and Mg stearate, and the compn. was formed into a 2.25 in. diam. bleach tablet. The tablet rapidly disintegrated and dispersed in an automatic washing machine.			

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=> s diperglutaric acid
2 DIPERGLUTARIC
3328648 ACID
L5 2 DIPERGLUTARIC ACID
(DIPERGLUTARIC(W)ACID)

=> s 15 full
2 DIPERGLUTARIC
3328648 ACID
L6 2 DIPERGLUTARIC ACID
(DIPERGLUTARIC(W)ACID)

=> d 16 1-2 ibib hitstr abs

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:545466 CAPLUS
DOCUMENT NUMBER: 135:127208
TITLE: Control of microbial populations in the
gastrointestinal tract of animals
INVENTOR(S): McKenzie, K. Scott; Giletto, Anthony; Hitchens, G.
Duncan; Hargis, Billy M.; Herron, Kelly L.
PATENT ASSIGNEE(S): Lynntech, Inc., USA
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001052827	A1	20010726	WO 2000-US8316	20000329
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6342528	B1	20020129	US 2000-487966	20000118
PRIORITY APPLN. INFO.:		US 2000-487966 A 20000118		
OTHER SOURCE(S):		MARPAT 135:127208		
AB Biocides for ingestion by live animals contain an aq. soln. of a peracid compd. or a mixt. of an org. acid and an inorg. peroxide and methods for controlling microbial contamination in the gastrointestinal tract of live animals. Peroxy compds. such as peracetic acid, perlactic acid, or percitric acid were added to drinking water for broiler chickens and the biocidal activity evaluated.				
REFERENCE COUNT:		4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:499742 CAPLUS
DOCUMENT NUMBER: 135:97456
TITLE: Sterilization of surgical sites and use of biocide
compositions
INVENTOR(S): Simpson, Charles Lee
PATENT ASSIGNEE(S): Sulzer Carbomedics Inc., USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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	US 6258249	B1	20010710	US 1999-437597	19991110
AB	A method for the treatment of an infected area within a body. The method comprises applying a elec. conductive biocide compn. to an infected area within a body that has been exposed during surgery. Then, an elec. field is applied to the biocide compn. The elec. field strength and duration of application may be sufficient to produce killing of microorganisms in the infected area.				
REFERENCE COUNT:	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT			

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=> s diperadic acid
7 DIPERADIPIC
3328648 ACID
L7 6 DIPERADIPIC ACID
(DIPERADIPIC(W)ACID)

=> s 17 full
7 DIPERADIPIC
3328648 ACID
L8 6 DIPERADIPIC ACID
(DIPERADIPIC(W)ACID)

=> d 18 1-6 ibib hitstr abs

L8 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:194377 CAPLUS
DOCUMENT NUMBER: 133:79452
TITLE: Peroxyacid oxydometric analysis of cysteine and
ascorbic acid in eye-drops
AUTHOR(S): Blazheevs'kii, M. E.
CORPORATE SOURCE: Nats. Farm. Akad. Ukraini, Ukraine
SOURCE: Farmatsevtichnii Zhurnal (Kiev) (1999), (6), 64-70
CODEN: FRZKAP; ISSN: 0367-3057
PUBLISHER: Zdorov'ya
DOCUMENT TYPE: Journal
LANGUAGE: Ukrainian
AB Aliph. diperoxy acids are proposed as anal. reagents for detn. of
L-cysteine and ascorbic acid. The possibility to use potentiometric
titrn. by aliph. diperoxy acids to differentiate cysteine and ascorbic
acid in soln. has been demonstrated. A method of co-detn. of L-cysteine
and ascorbic acid and a method for detn. of L-cysteine in the presence of
KI in eye-drops are presented.

L8 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:245188 CAPLUS
DOCUMENT NUMBER: 130:256816
TITLE: Nonaggressive decontaminating compositions
INVENTOR(S): Goffinet, Pierre Charles Emile; Cottin, Riviere
Brigitte
PATENT ASSIGNEE(S): IRDEC S. A., Fr.
SOURCE: Fr. Demande, 20 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2766724	A1	19990205	FR 1997-9782	19970731
FR 2766724	B1	19991022		

AB Chem. warfare agents, pesticides, and similar toxic compds. are
decontaminated using a nonaggressive compn. contg. a peroxidant, at least
one amine oxide surfactant, and an alkali damping agent.

L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:219869 CAPLUS
DOCUMENT NUMBER: 130:268876
TITLE: Anhydrous bleach compositions comprising a peracid for
bleaching fabrics
INVENTOR(S): Campestrini, Sandro; Di, Furia Fulvio; Bianchetti,

PATENT ASSIGNEE(S): Giulia Ottavia; Scialla, Stefano; Scoccianti, Raffaele
SOURCE: Procter + Gamble Company, USA
Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 905227	A1	19990331	EP 1997-203000	19970930
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2001001786	A1	20010524	US 1998-162982	19980929
JP 11181487	A2	19990706	JP 1998-278738	19980930
PRIORITY APPLN. INFO.:			EP 1997-203000	A 19970930
OTHER SOURCE(S): MARPAT 130:268876				
AB The title liq. anhyd. compns. comprise a mono- or di-peracid having from 5-12 C atoms or a mixt., an anhyd. peracid compatible org. solvent, and a peracid compatible conventional detergent ingredient. These compns. are stable upon prolonged periods of time, deliver improved bleaching performance in various washing conditions, and provide effective stain removal. A typical bleach contained diperpimelic acid 1.0, BHT 0.01%, and the balance Et acetate.				
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L8 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:101246 CAPLUS
DOCUMENT NUMBER: 130:143594
TITLE: Use of stabilized decontaminating compositions for the decontamination of toxic agents and/or pollutants
INVENTOR(S): Goffinet, Pierre Charles Emile; Cottin-Riviere, Brigitte
PATENT ASSIGNEE(S): Irdec S.A., Fr.
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 894512	A1	19990203	EP 1998-401963	19980731
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2766725	A1	19990205	FR 1997-9783	19970731
PRIORITY APPLN. INFO.:			FR 1997-9783	19970731
AB Peroxidants and complexing agents are used in conjunction with sequestrants such as citrates, gluconates, and phosphonates to remove organophosphorus or organosulfur compds., e.g., chem. warfare agents, from wastes.				
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L8 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1981:454166 CAPLUS
DOCUMENT NUMBER: 95:54166
TITLE: Oxidation of 1-naphthylamine by **diperadipic acid** and its use for kinetic determination of cobalt

AUTHOR(S): Zinchuk, V. K.; Besidka, V. S.; Skorobogaty, Ya. P.;
Markovskaya, R. F.
CORPORATE SOURCE: L'vov. Gos. Univ., Lvov, USSR
SOURCE: Zh. Anal. Khim. (1981), 36(4), 701-4
CODEN: ZAKHA8; ISSN: 0044-4502
DOCUMENT TYPE: Journal
LANGUAGE: Russian
AB The optimum conditions for the oxidn. of 1-naphthylamine (I) by
diperadipic acid (II) in the presence of Co are: 10⁻⁴M I
and 6 .times. 10⁻⁴M II in 0.05M Na2B4O7 (pH 9.2). Alkali metals 0.1M do
not interfere. Fe and Cu .gtoreq.10⁻⁵M increase the rate of reaction in
the absence of Co, but inhibit amine oxidn. in its presence. The limit of
detection is 0.04 .mu.g Co/50 mL. The relative std. deviation was 0.009
for detg. 0.1-0.4 .mu.g Co. The calibration graph was linear for 1
.times. 10⁻⁸-2 .times. 10⁻⁷M Co. The method was used for Co detn. in
NaCl.

L8 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1980:77734 CAPLUS
DOCUMENT NUMBER: 92:77734
TITLE: Investigation of the oxidative cleavage of butyl
rubber by selective catalysis
AUTHOR(S): Guizard, C.; Cheradame, H.
CORPORATE SOURCE: Lab. Chim. Polym., Ecol. Fr. Papet., Grenoble, 38000,
Fr.
SOURCE: Eur. Polym. J. (1979), 15(7), 689-93
CODEN: EUPJAG; ISSN: 0014-3057
DOCUMENT TYPE: Journal
LANGUAGE: English
AB C:C bonds in butyl rubber were cleaved selectively without side reactions
using RuO4 catalyst in conjunction with **diperadipic acid**
[5824-51-1] or peracetic acid [79-21-0]. The method has synthetic and
anal. applications.

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=> s diperpimelic acid
1 DIPERPIMELIC
3328648 ACID
L10 1 DIPERPIMELIC ACID
(DIPERPIMELIC(W)ACID)

=> s l10 full
1 DIPERPIMELIC
3328648 ACID
L11 1 DIPERPIMELIC ACID
(DIPERPIMELIC(W)ACID)

=> d l11

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
AN 1999:219869 CAPLUS
DN 130:268876
TI Anhydrous bleach compositions comprising a peracid for bleaching fabrics
IN Campestrini, Sandro; Di, Furia Fulvio; Bianchetti, Giulia Ottavia;
Scialla, Stefano; Scoccianti, Raffaele
PA Procter + Gamble Company, USA
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 905227	A1	19990331	EP 1997-203000	19970930
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2001001786	A1	20010524	US 1998-162982	19980929
	JP 11181487	A2	19990706	JP 1998-278738	19980930
PRAI	EP 1997-203000	A	19970930		
OS	MARPAT 130:268876				
RE.CNT	5	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			